

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090272.D
 Acq On : 28 Sep 2016 00:32
 Operator : UM/SJ
 Sample : H4949-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-1-LOC-6(0-5)

Manual Integrations
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Quant Time: Sep 28 11:58:24 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	144635m	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	532842m	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	278748	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	390656	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	285581	20.00	ng	-0.02
86) Perylene-d12	14.90	264	227463	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	932853	105.13	ng	0.01
7) Phenol-d6	6.14	99	1140401	104.07	ng	0.00
23) Nitrobenzene-d5	7.05	82	728356	79.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	207497	86.77	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	1099800	77.46	ng	-0.01
78) Terphenyl-d14	12.55	244	506310	45.01	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.15	94	26131	2.02	ng	83
49) Dimethylphthalate	9.24	163	532228	29.98	ng	100
70) Phenanthrene	10.99	178	148801	8.14	ng	97
71) Anthracene	11.04	178	42116	2.20	ng	98
74) Fluoranthene	12.17	202	217783	11.11	ng	91
77) Pyrene	12.39	202	187329	9.59	ng	98
80) Benzo(a)anthracene	13.57	228	108067	7.03	ng	94
82) Chrysene	13.60	228	79884m	5.34	ng	
83) Bis(2-ethylhexyl)phthalate	13.60	149	27278	2.23	ng	98
85) Indeno(1,2,3-cd)pyrene	16.05	276	47448m	3.92	ng	
87) Benzo(b)fluoranthene	14.56	252	106389m	8.45	ng	
88) Benzo(k)fluoranthene	14.57	252	48723m	4.12	ng	
89) Benzo(a)pyrene	14.85	252	71635	6.05	ng	# 88
91) Benzo(a,h,i)perylene	16.38	276	44359	4.90	ng	98

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

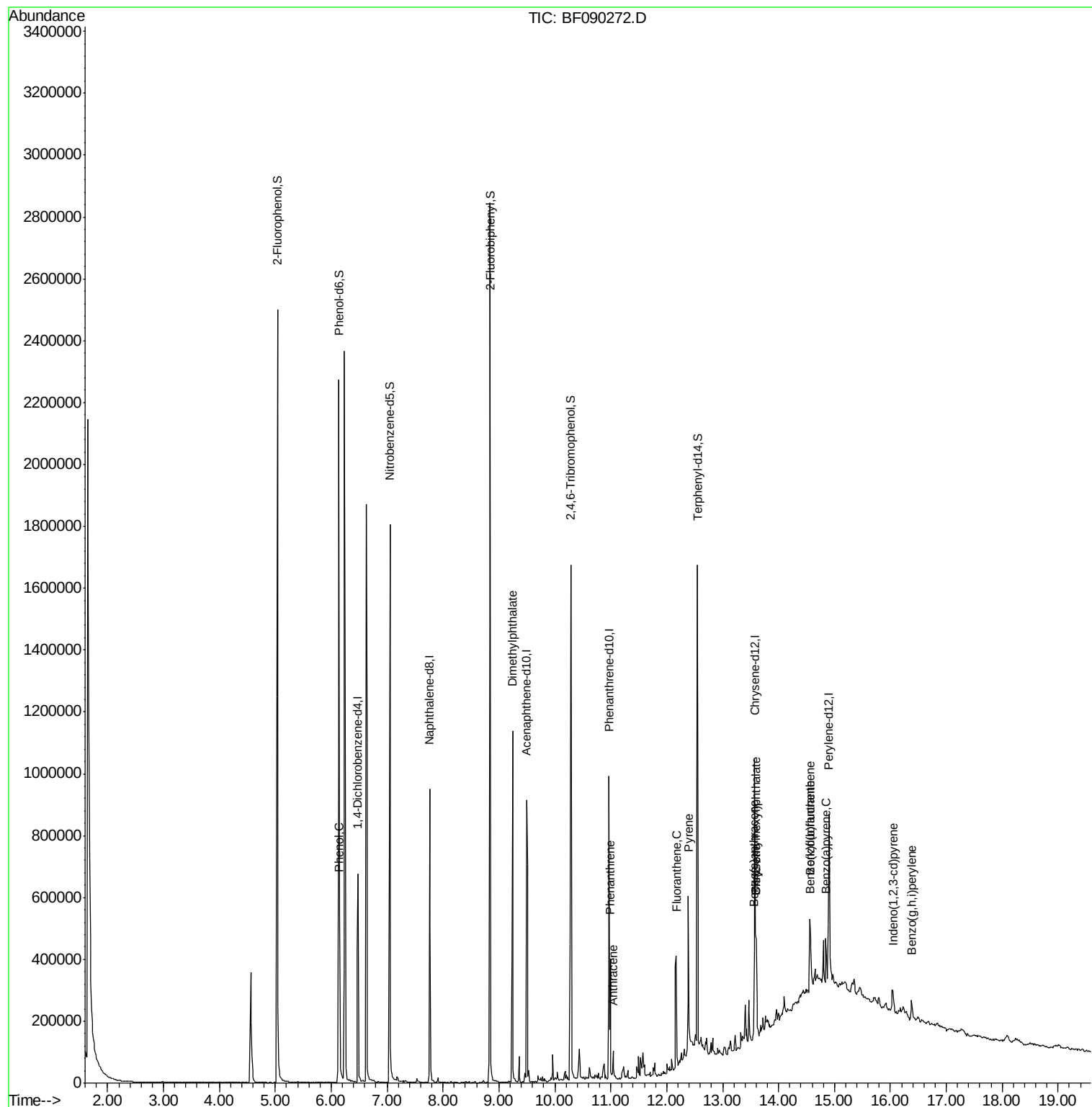
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090272.D
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ALS Vial : 25 Sample Multiplier: 1

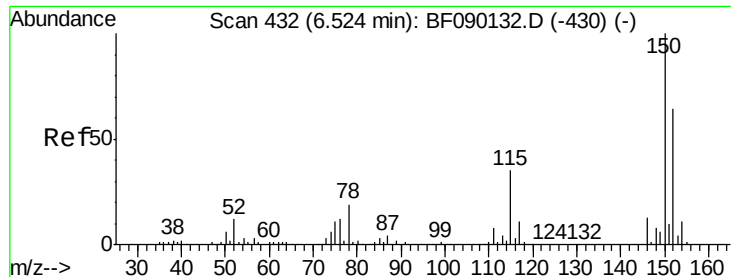
Instrument :
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#1

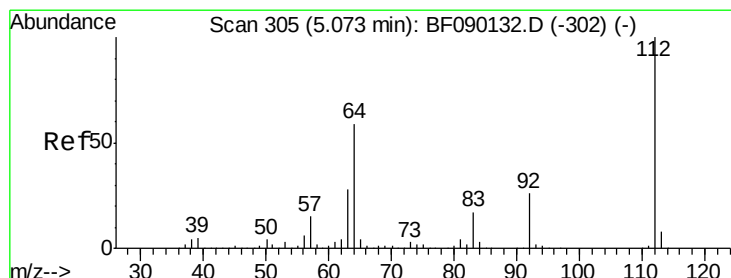
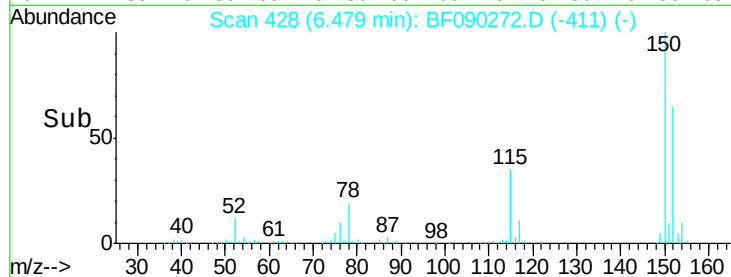
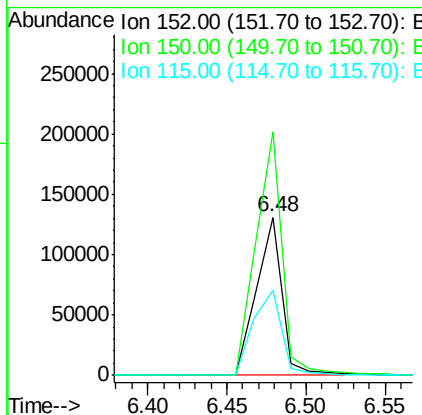
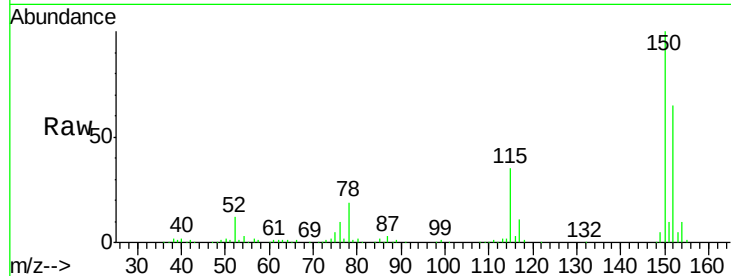
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.48 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	128.9	193.3
115	53.8	55.5	83.3

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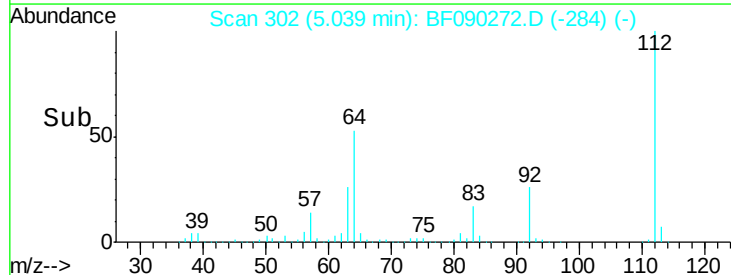
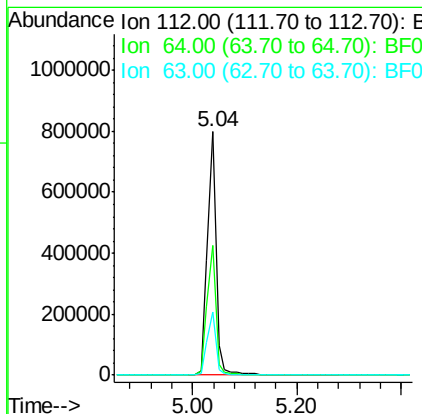
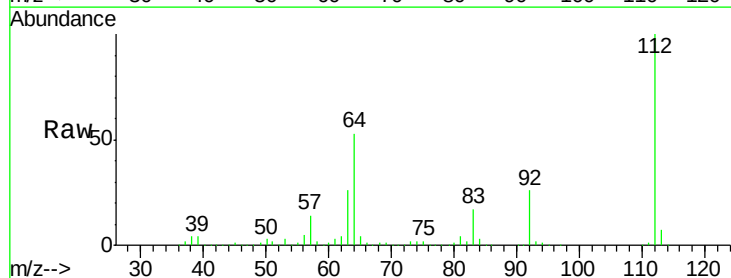
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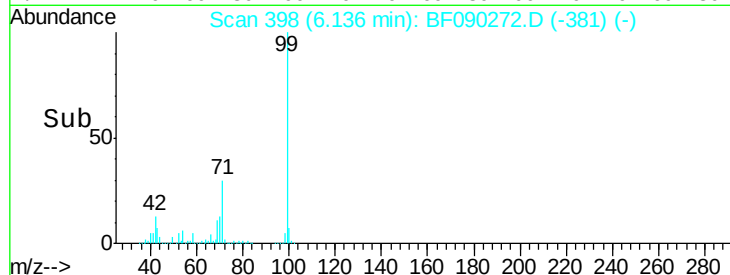
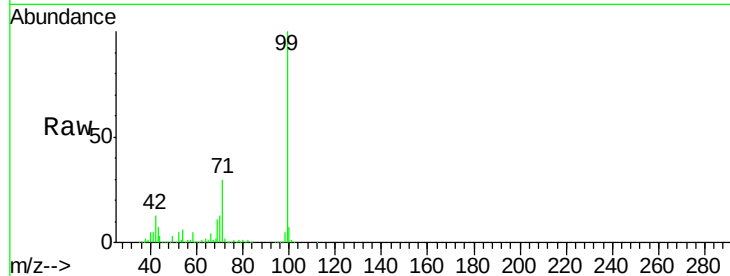
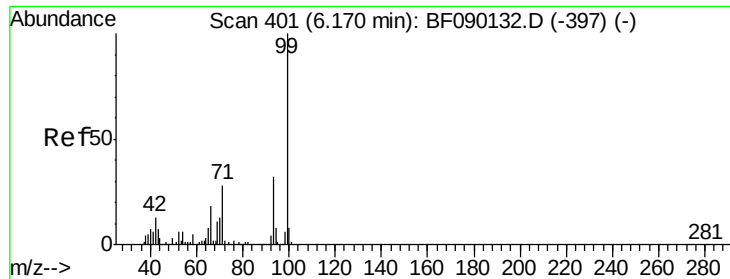


#5

2-Fluorophenol
Concen: 105.13 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	39.8	59.6
63	26.1	18.9	28.3





#7

Phenol-d6

Concen: 104.07 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Tot Ion:	99	Resp:	1140401
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.6	15.8
71	29.9	23.0	34.6

Instrument :

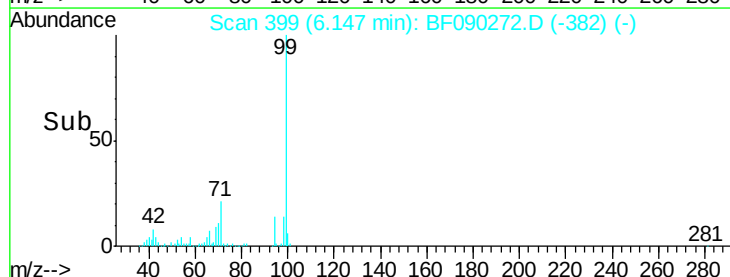
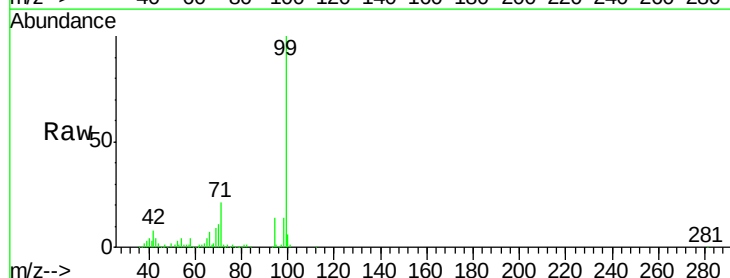
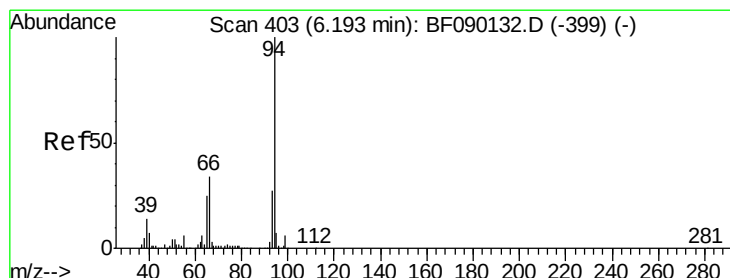
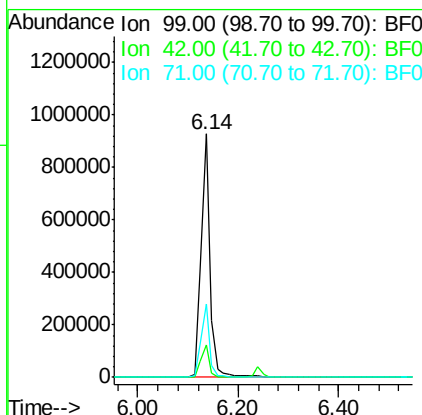
BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

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#10

Phenol

Concen: 2.02 ng

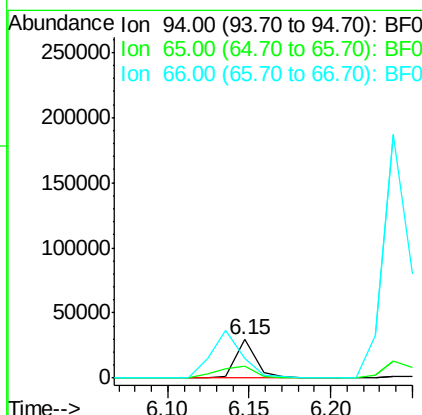
RT: 6.15 min Scan# 399

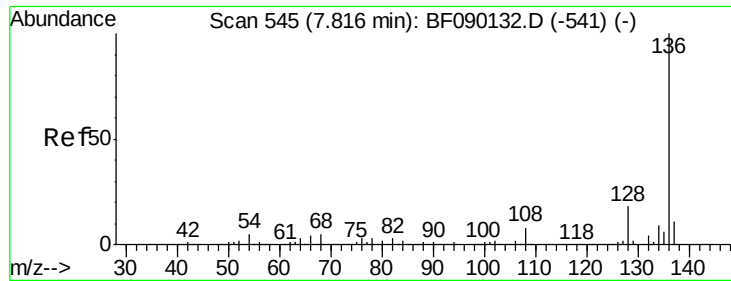
Delta R.T. -0.00 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Tgt Ion:	94	Resp:	26131
Ion	Ratio	Lower	Upper
94	100		
65	29.9	20.6	60.6
66	51.5	45.1	85.1





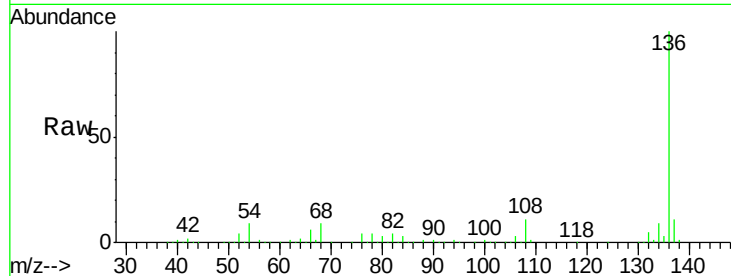
#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 7.76 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

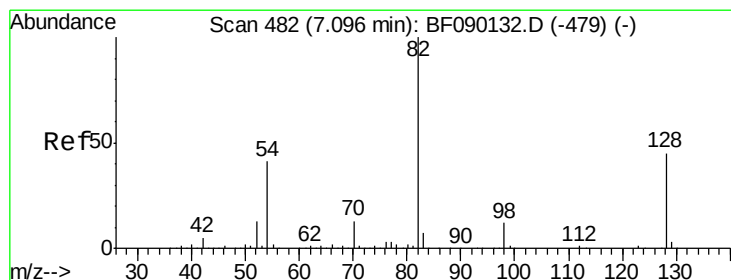
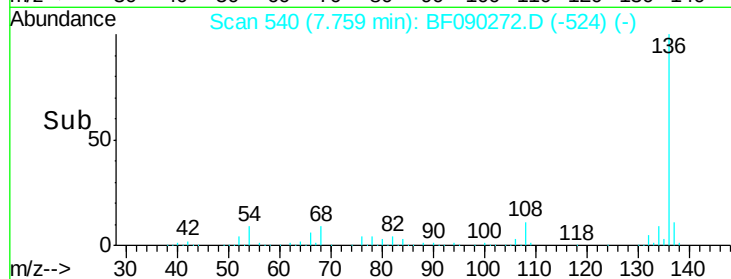
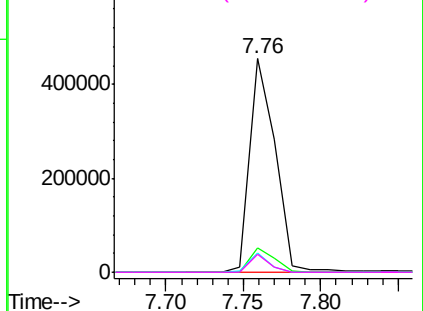
Tot Ion	Ratio	Resp	Lower	Upper
136	100	532842		
137	11.3		9.0	13.4
54	9.1		6.4	9.6
68	8.6		6.3	9.5

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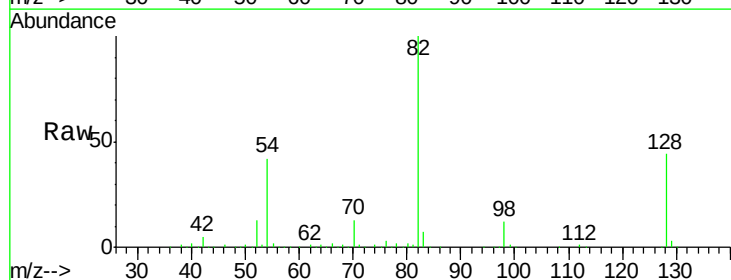


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

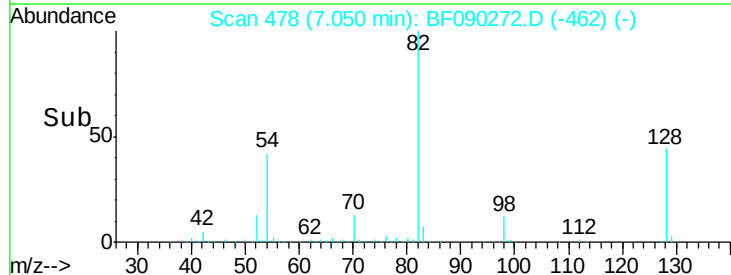
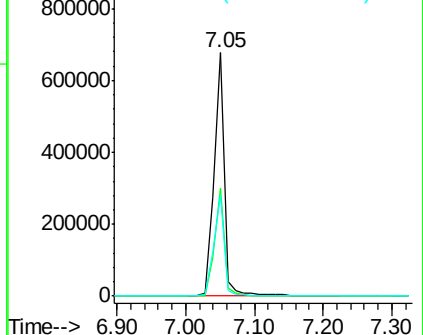


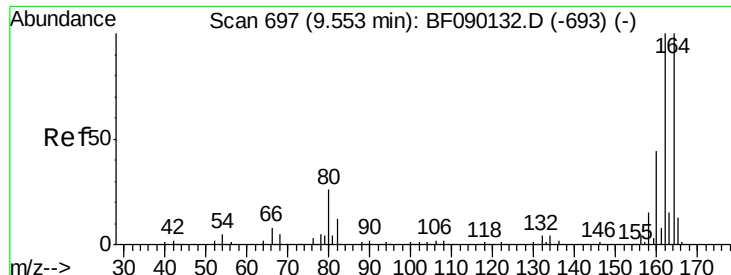
#23
Nitrobenzene-d5
Concen: 79.24 ng/mL
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	728356		
128	44.1		37.5	56.3
54	41.7		31.9	47.9



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





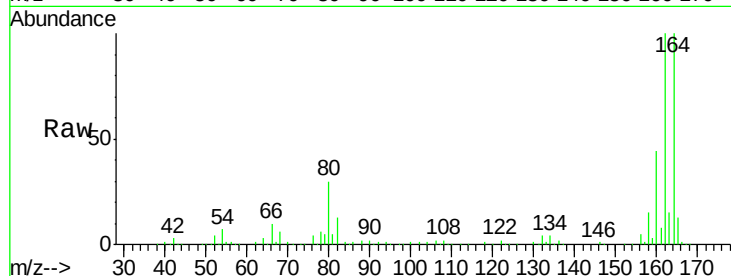
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

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BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

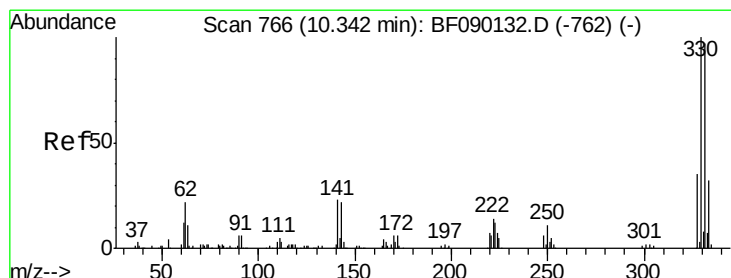
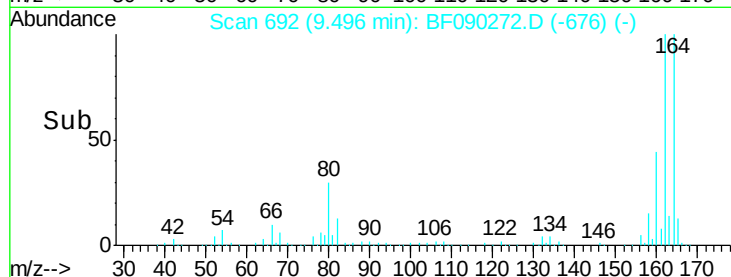
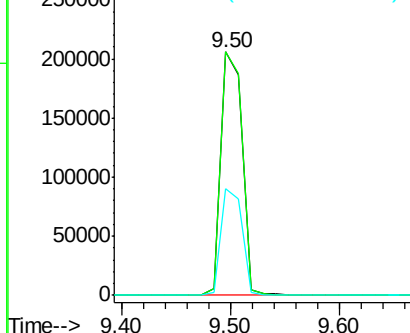
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.4	122.2
160	43.7	36.6	54.8

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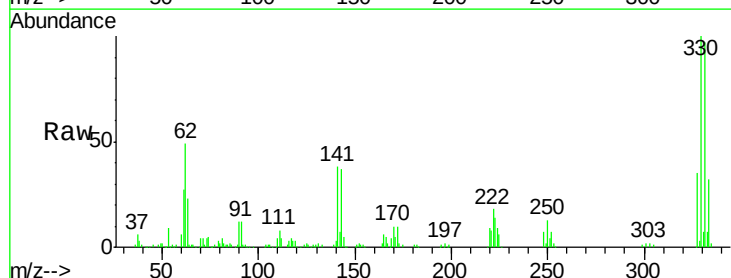


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

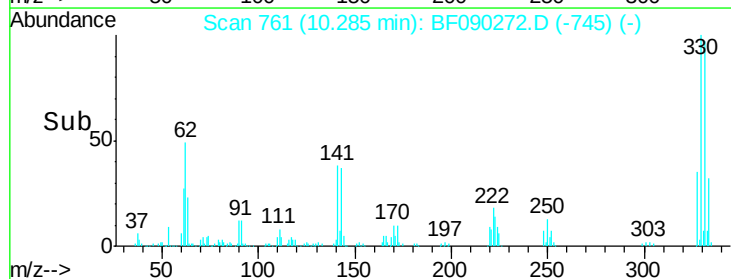
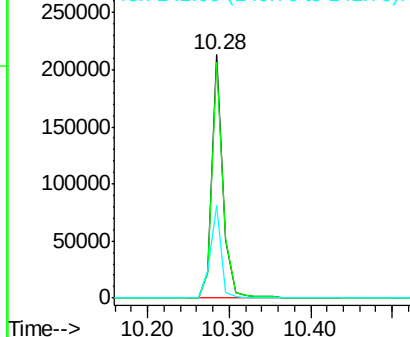


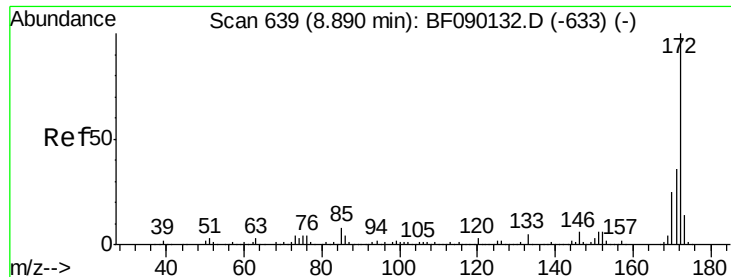
#41
2,4,6-Tribromophenol
Concen: 86.77 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.1	117.1
141	38.0	23.9	35.9#



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





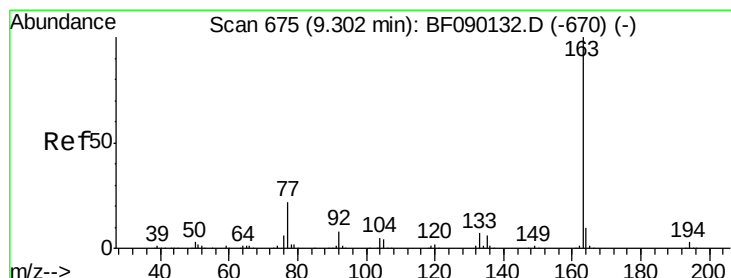
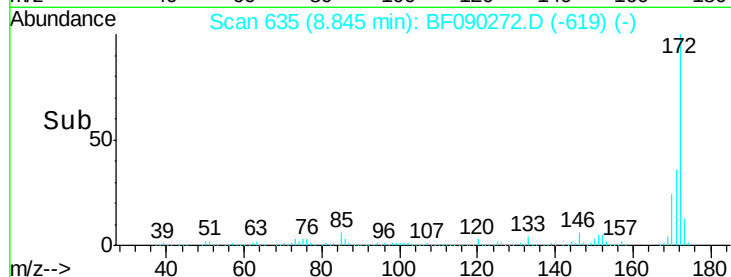
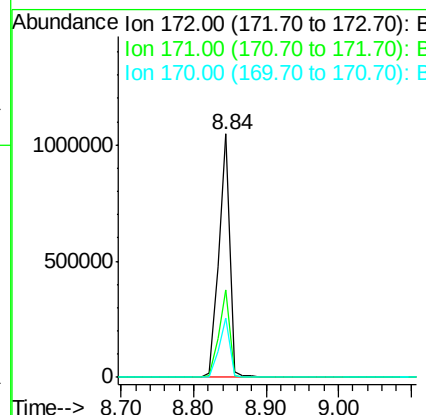
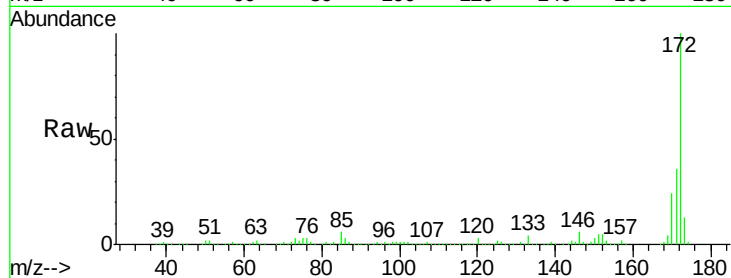
#44
2-Fluorobiphenyl
Concen: 77.46 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	24.2	19.8	29.8

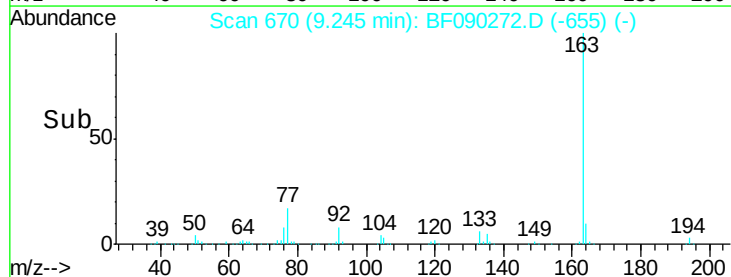
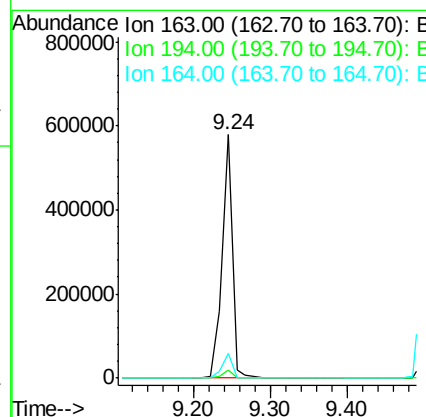
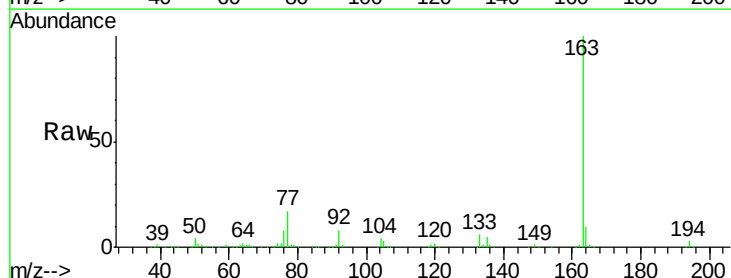
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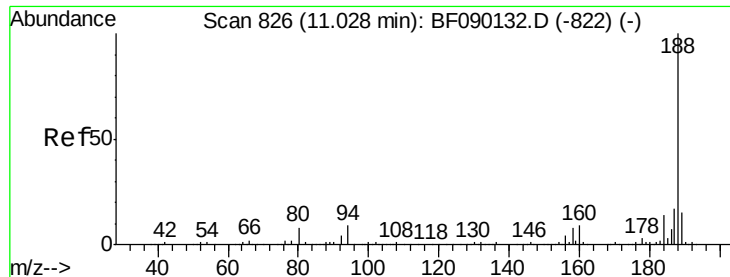
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#49
Dimethylphthalate
Concen: 29.98 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.1	8.1	12.1





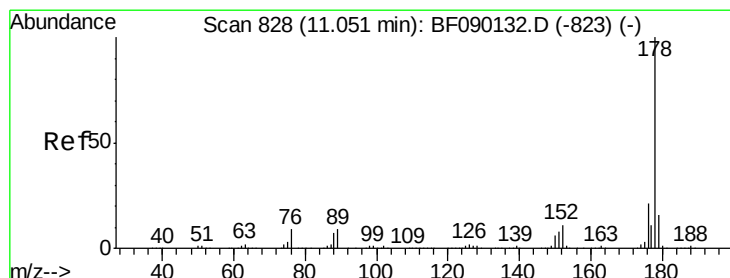
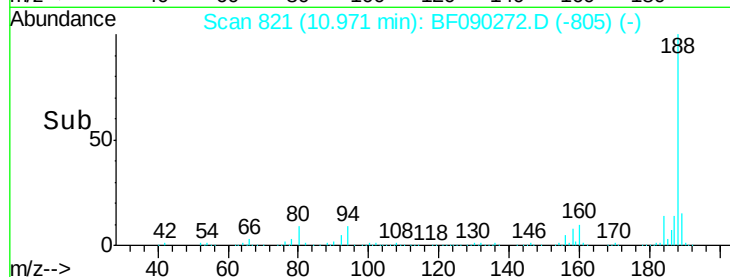
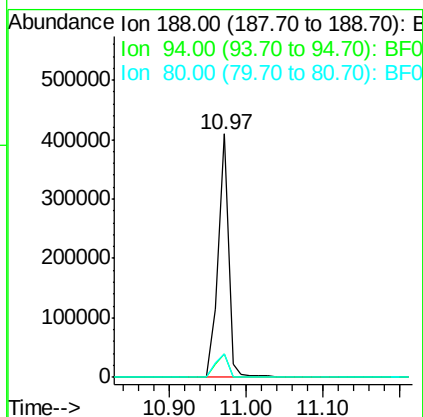
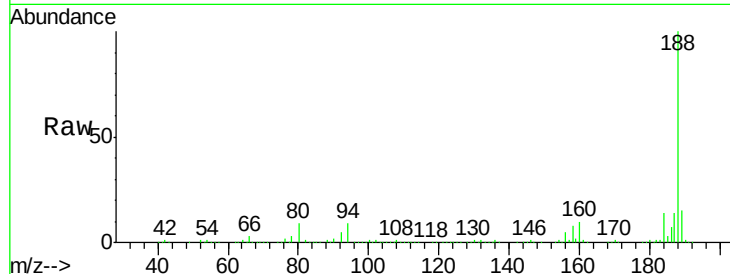
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	10.5	15.7#
80	9.5	11.2	16.8#

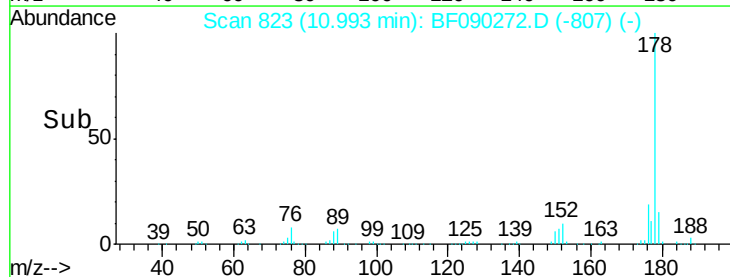
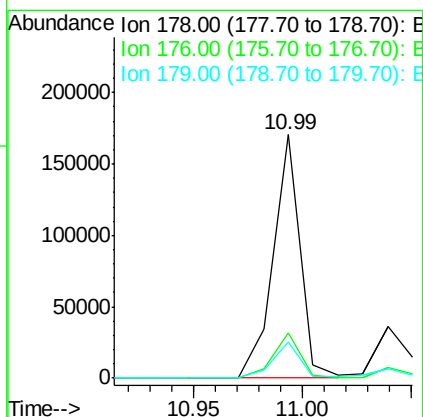
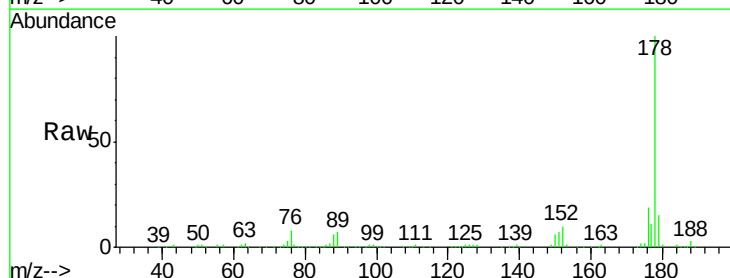
Manual Integrations
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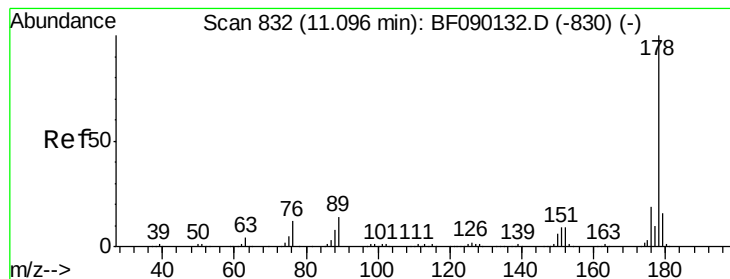
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#70
Phenanthrene
Concen: 8.14 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.7	12.9	19.3





#71

Anthracene

Concen: 2.20 ng

RT: 11.04 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

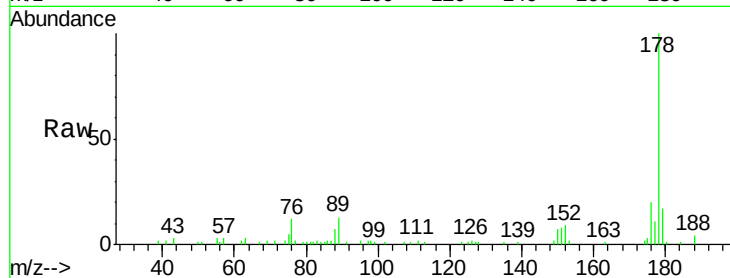
ClientSampleId :

S-6-1-LOC-6(0-5)

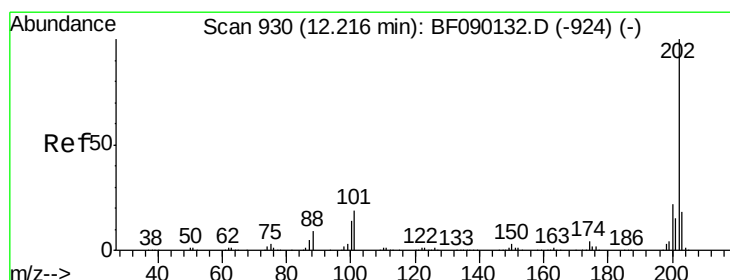
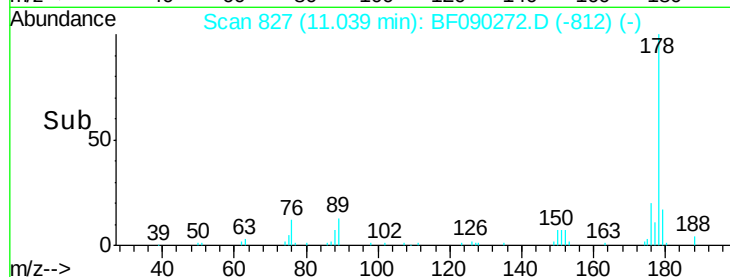
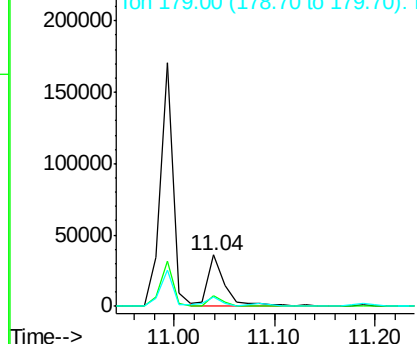
Tot Ion:	178	Resp:	42116
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.6
179	17.2	12.6	19.0

Manual Integrations
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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



#74

Fluoranthene

Concen: 11.11 ng

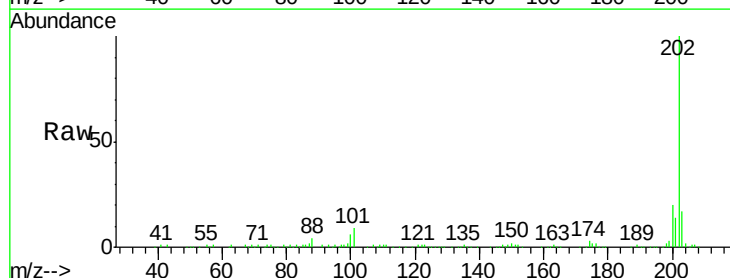
RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

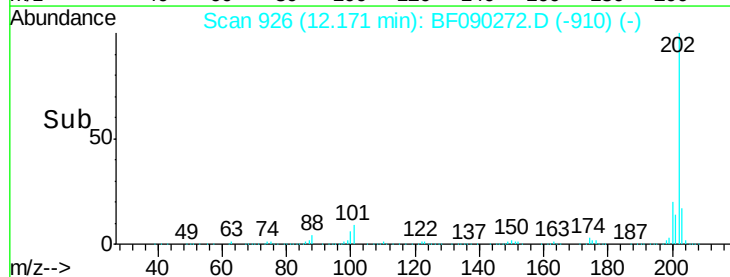
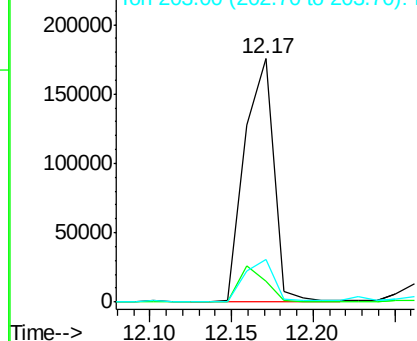
Lab File: BF090272.D

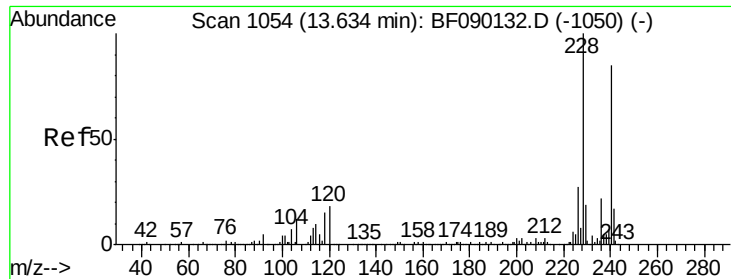
Acq: 28 Sep 2016 00:32

Tgt Ion:	202	Resp:	217783
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	36.1
203	17.3	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

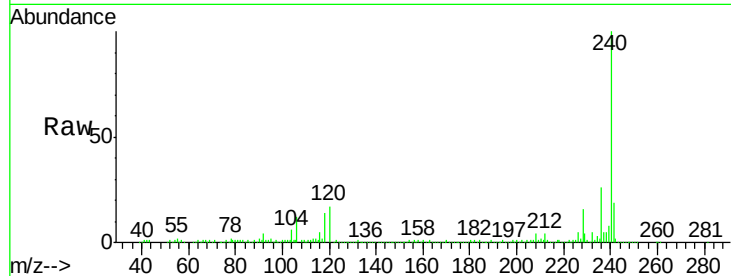
ClientSampleId :

S-6-1-LOC-6(0-5)

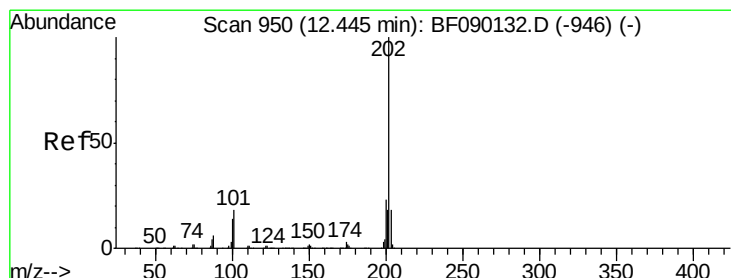
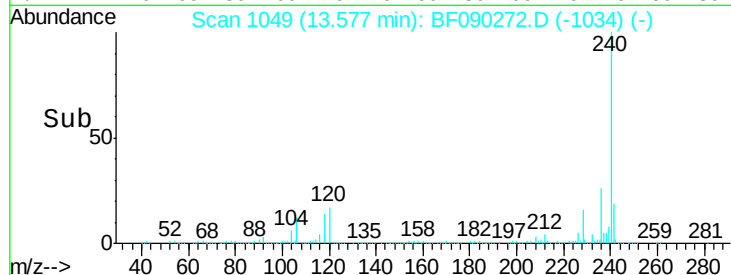
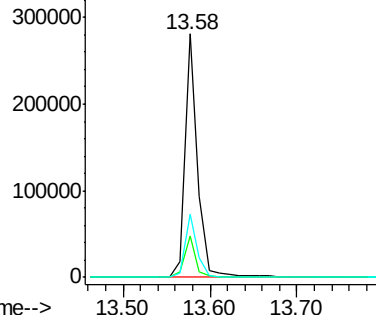
Tot Ion:	240	Resp:	285581
Ion Ratio	Lower	Upper	
240	100		
120	16.8	10.6	16.0#
236	25.8	21.6	32.4

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.59 ng

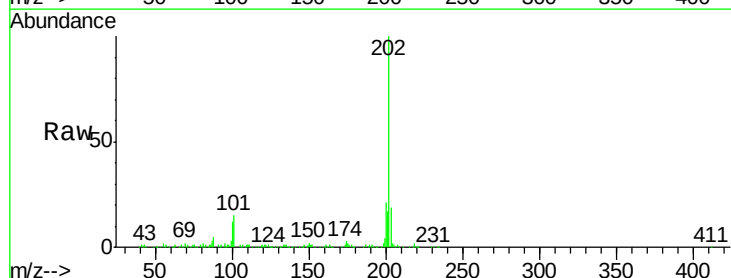
RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

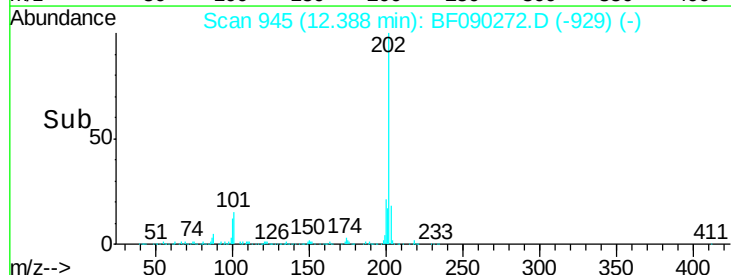
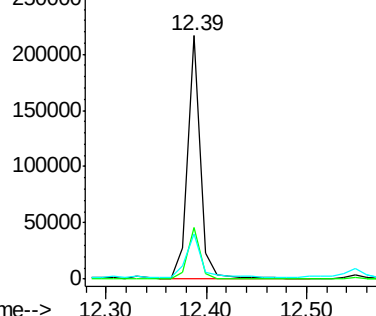
Lab File: BF090272.D

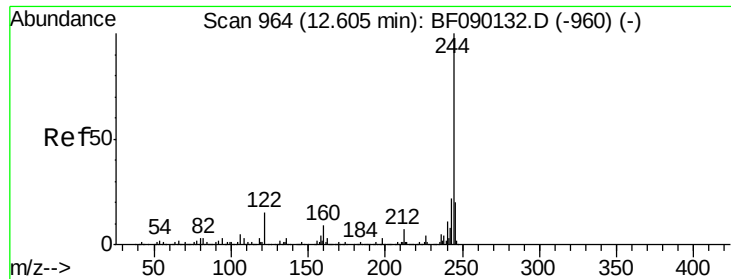
Acq: 28 Sep 2016 00:32

Tgt Ion:	202	Resp:	187329
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.9	26.9
203	18.6	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





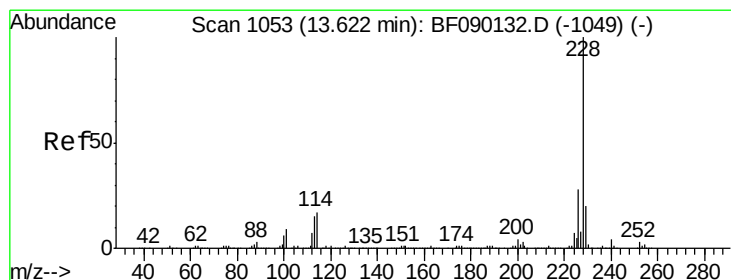
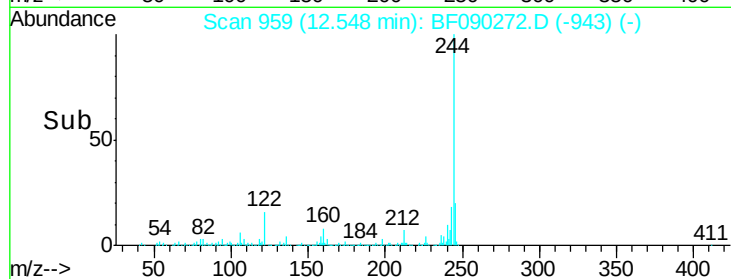
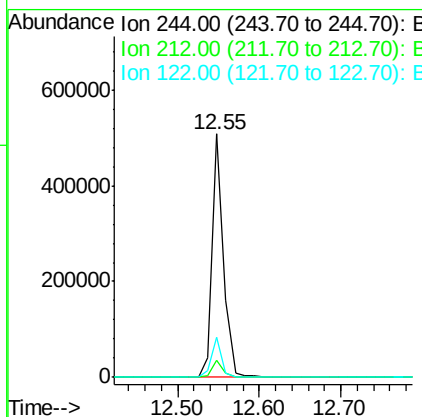
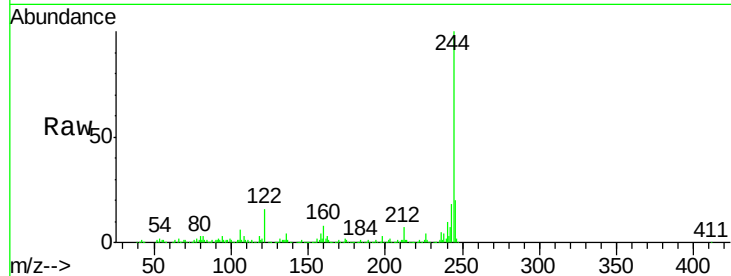
#78
 Terphenyl-d14
 Concen: 45.01 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Instrument :
 BNA_F
 ClientSampleId :
 S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	16.3	9.4	14.0

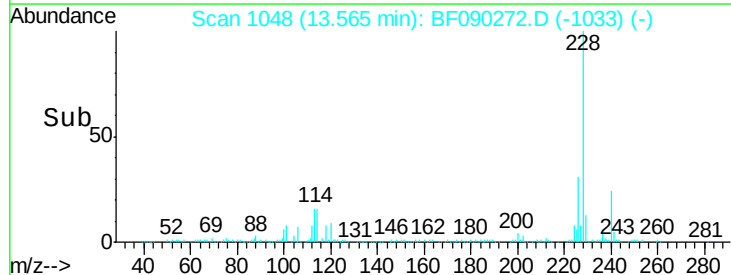
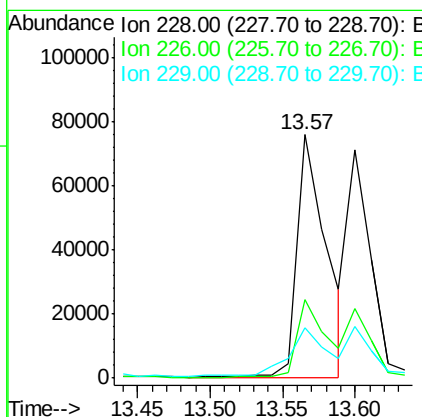
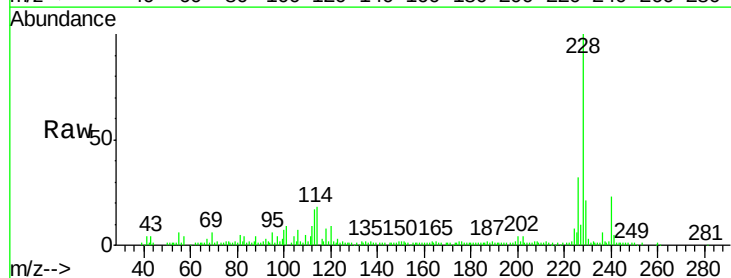
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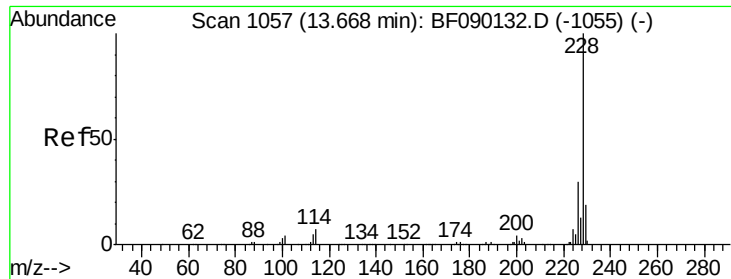
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#80
 Benzo(a)anthracene
 Concen: 7.03 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.0	33.0
229	20.9	16.2	24.2





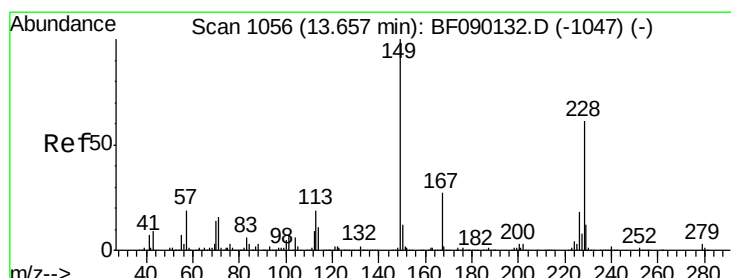
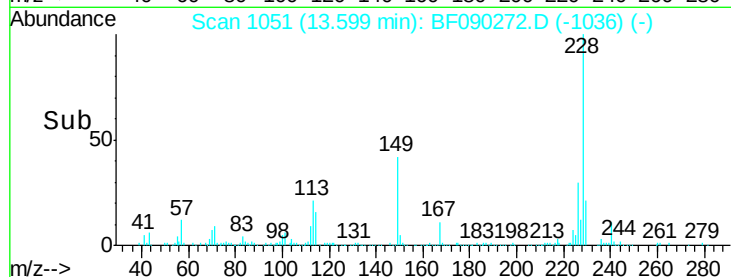
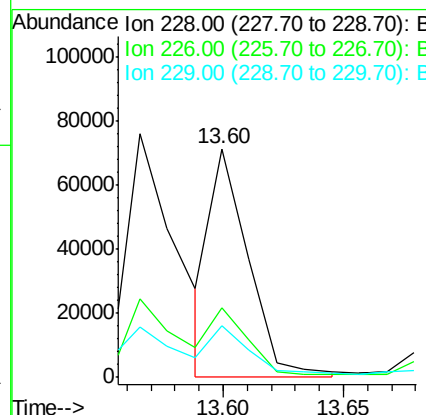
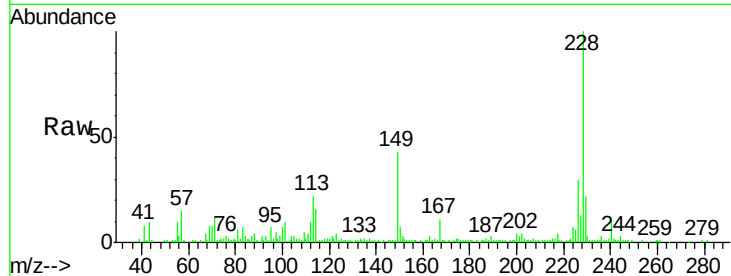
#82
Chrysene
Concen: 5.34 ng/mL
RT: 13.60 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tot Ion:228	Resp:	79884
Ion Ratio	Lower	Upper
228 100		
226 30.4	24.6	37.0
229 22.4	16.2	24.4

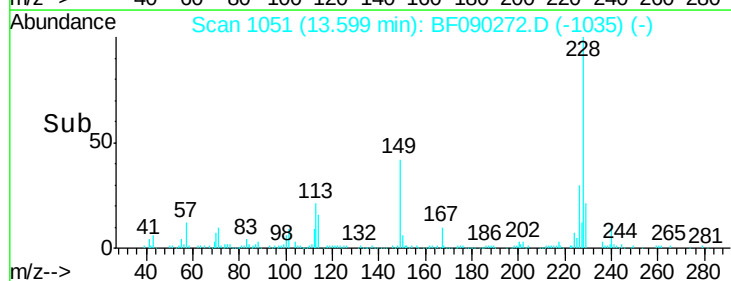
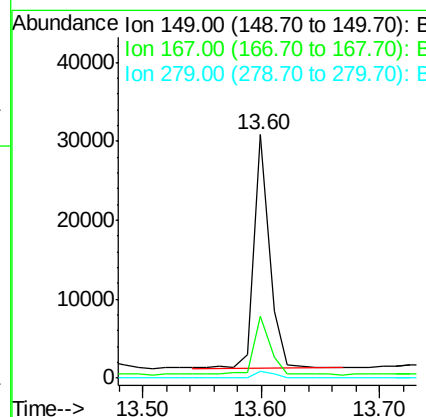
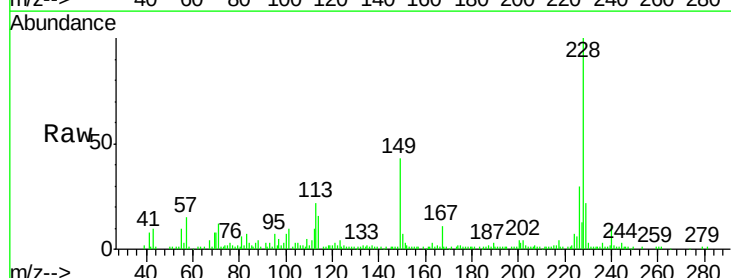
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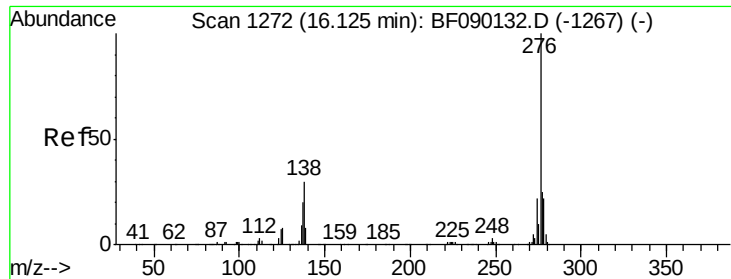
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.23 ng/mL
RT: 13.60 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion:149	Resp:	27278
Ion Ratio	Lower	Upper
149 100		
167 25.5	21.2	31.8
279 2.7	2.2	3.2





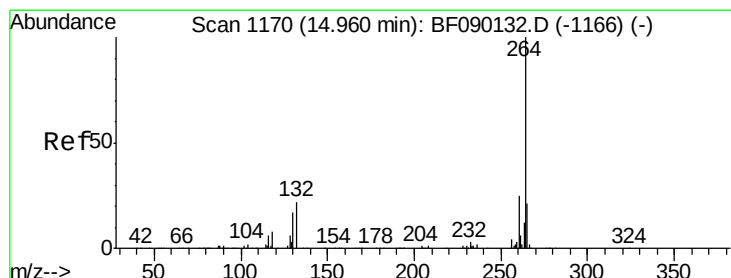
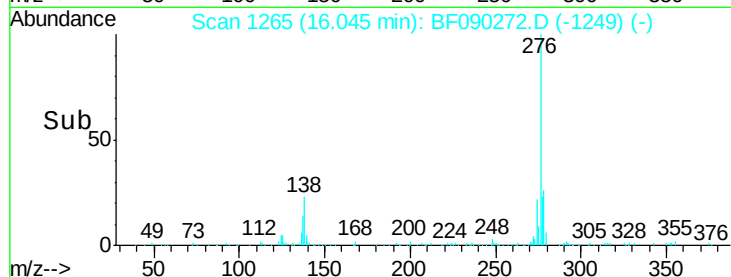
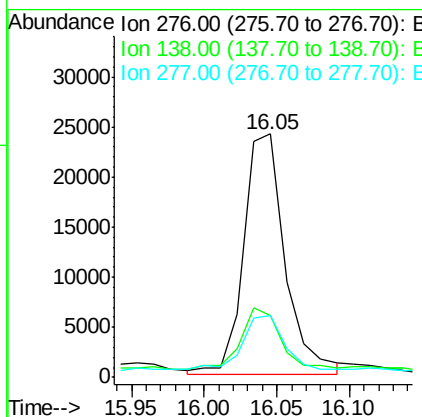
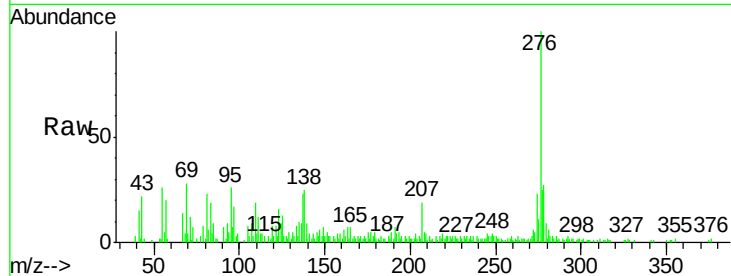
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.92 ng/ml
RT: 16.05 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.2	25.9	38.9#
277	6.0	19.9	29.9#

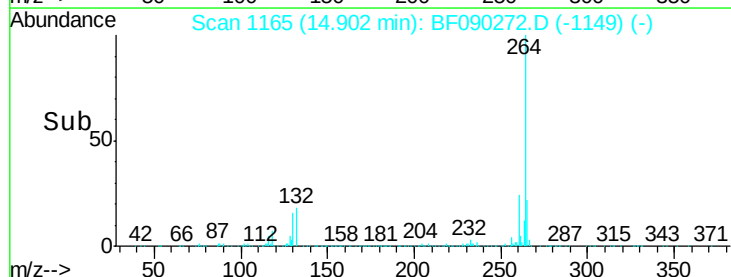
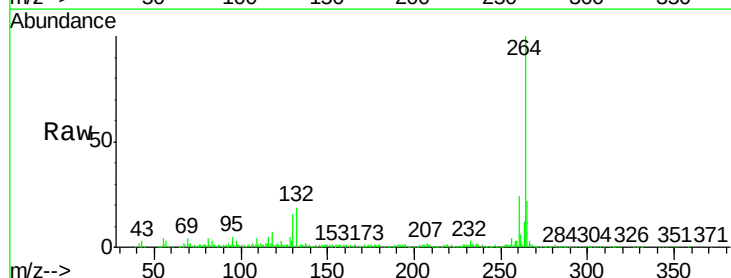
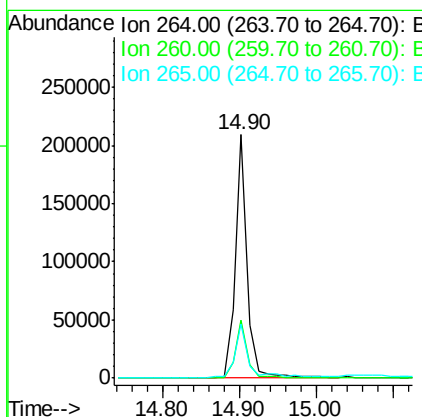
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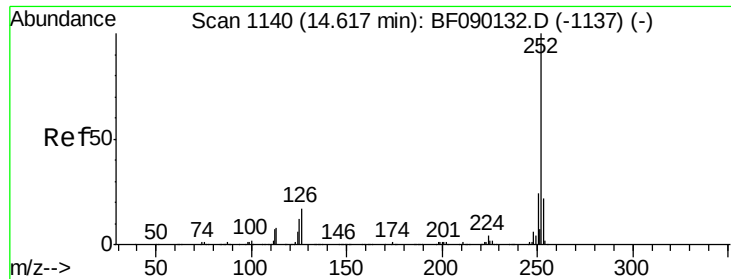
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 8.45 ng m

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

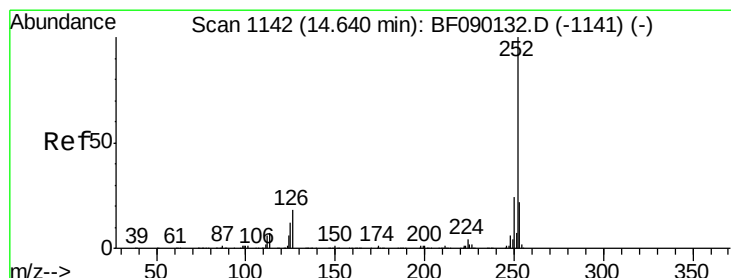
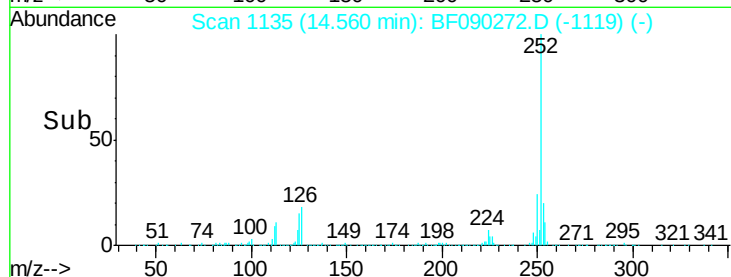
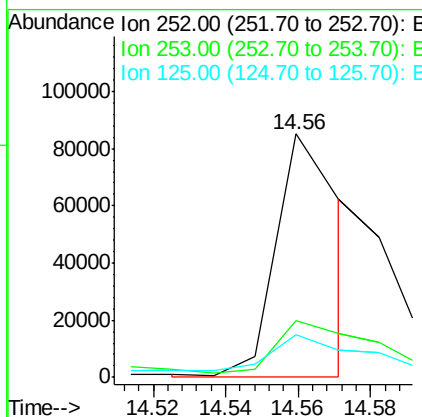
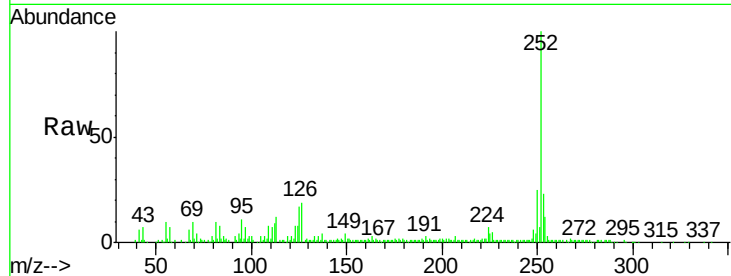
ClientSampleId :

S-6-1-LOC-6(0-5)

Tot Ion:	252	Resp:	106389
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	17.5	12.7	19.1

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#88

Benzo(k)fluoranthene

Concen: 4.12 ng m

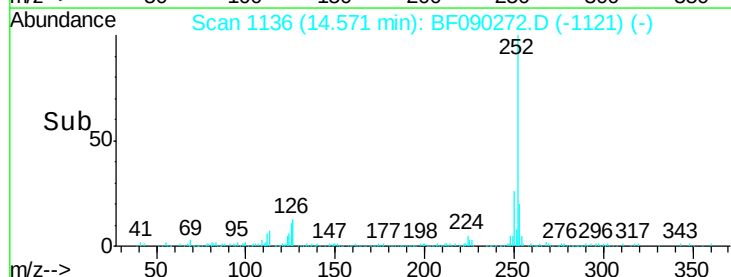
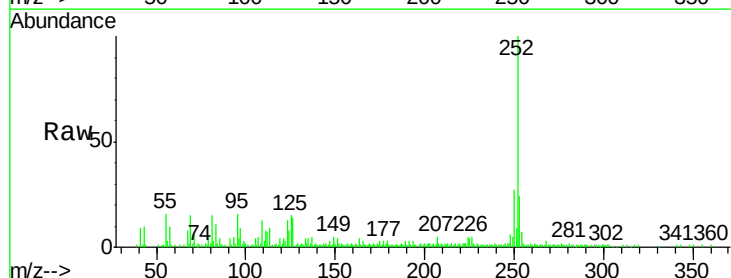
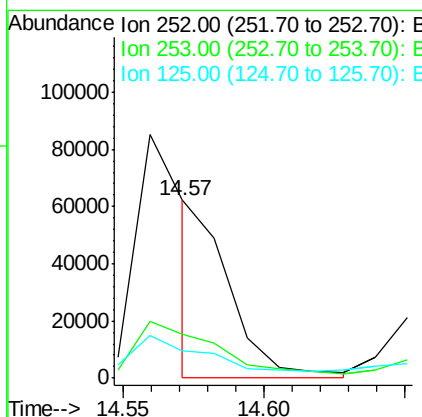
RT: 14.57 min Scan# 1136

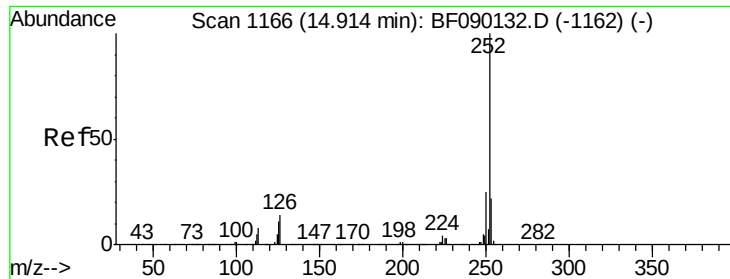
Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Tgt Ion:	252	Resp:	48723
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.8	26.8
125	15.1	7.8	11.6#





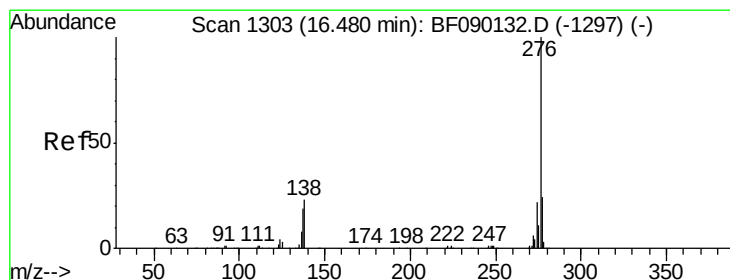
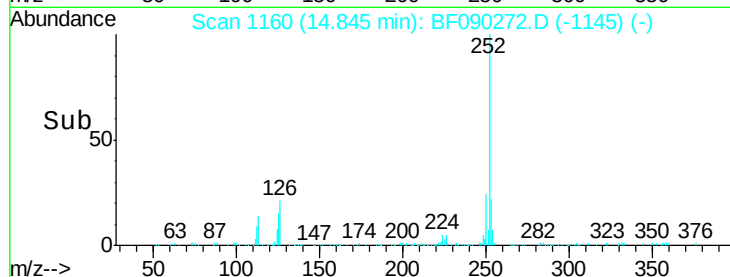
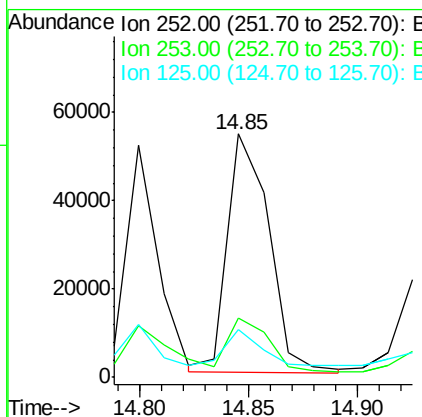
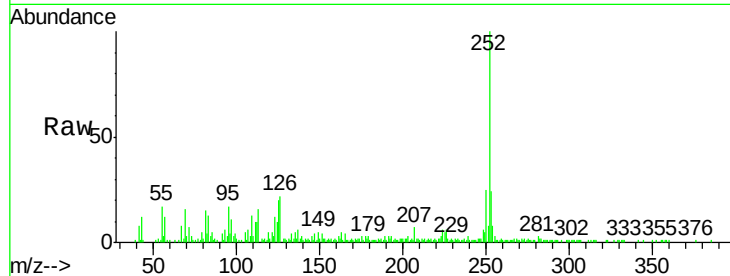
#89
Benzo(a)pyrene
Concen: 6.05 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampled :
S-6-1-LOC-6(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	19.8	7.7	11.5#

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#91
Benzo(g,h,i)perylene
Concen: 4.90 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	28.8	23.3	34.9

