

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091292.D
 Acq On : 23 Nov 2016 23:15
 Operator : UM/SJ
 Sample : H5740-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Manual Integrations
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Quant Time: Nov 24 00:48:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	220807	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	920718	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	456261	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	696170	20.00	ng	0.00
75) Chrysene-d12	14.03	240	508950	20.00	ng	-0.01
86) Perylene-d12	15.47	264	491008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1858140	135.21	ng	0.02
7) Phenol-d6	6.51	99	2152246	121.89	ng	0.01
23) Nitrobenzene-d5	7.45	82	1565441	97.88	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	538470	117.03	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2195985	78.81	ng	0.00
78) Terphenyl-d14	12.99	244	1441165	64.67	ng	0.00
Target Compounds						
10) Phenol	6.52	94	127815	6.49	ng	83
32) Benzoic acid	7.89	122	95222	8.49	ng	96
49) Dimethylphthalate	9.63	163	323931	11.37	ng	96
74) Fluoranthene	12.61	202	117237	3.19	ng	95
77) Pyrene	12.83	202	109263	2.91	ng	97
80) Benzo(a)anthracene	14.02	228	80307	2.78	ng	97
82) Chrysene	14.05	228	58793m	2.15	ng	
85) Indeno(1,2,3-cd)pyrene	16.88	276	48823	2.08	ng	94
87) Benzo(b)fluoranthene	15.06	252	117075m	3.78	ng	
89) Benzo(a)pyrene	15.41	252	71939m	2.73	ng	

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

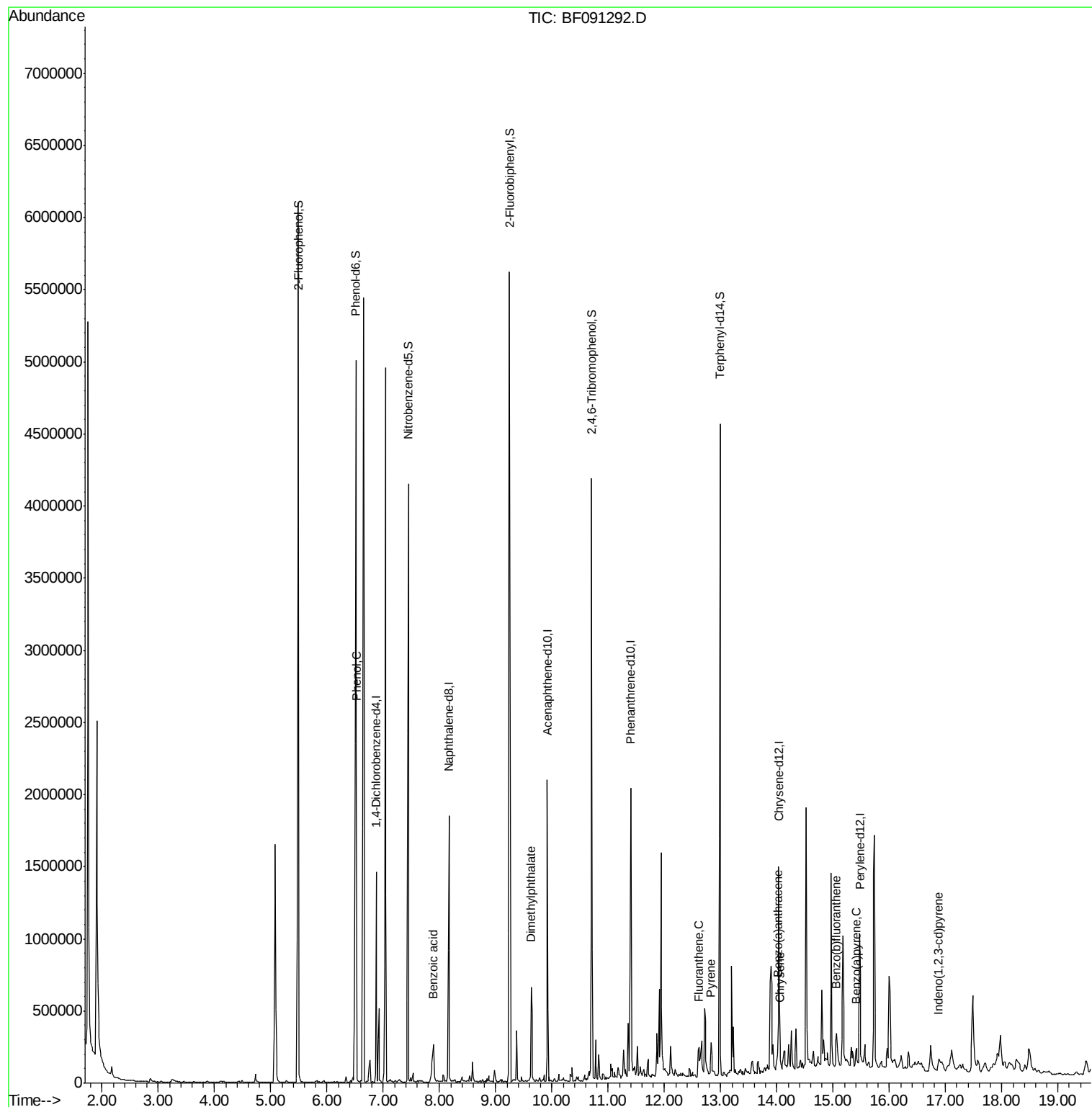
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091292.D
Acq On : 23 Nov 2016 23:15
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Sample : H5740-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

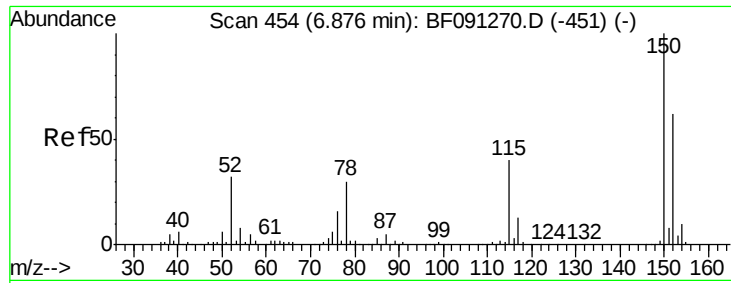
Instrument :
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SB-03(0-0.16)

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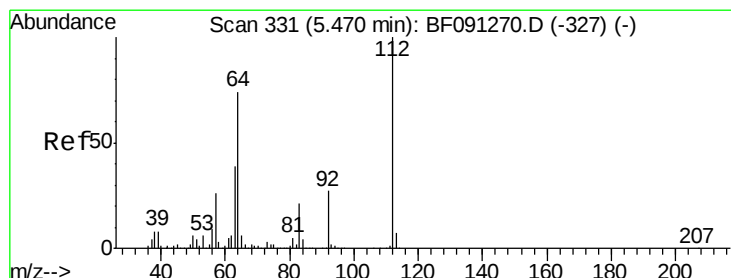
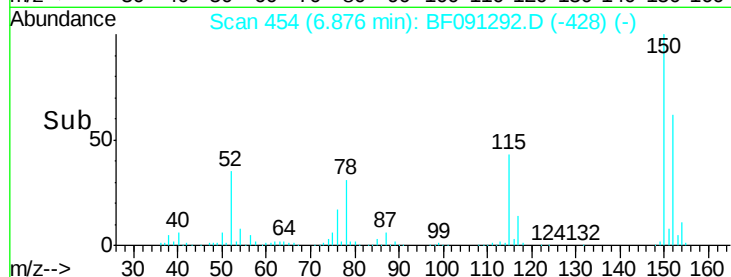
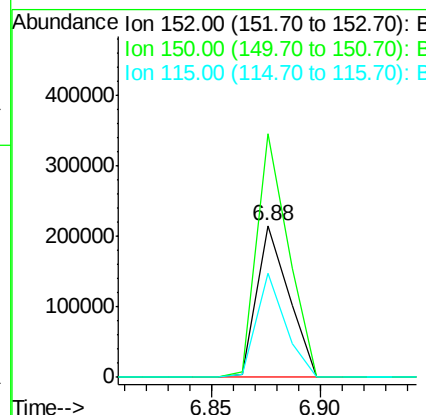
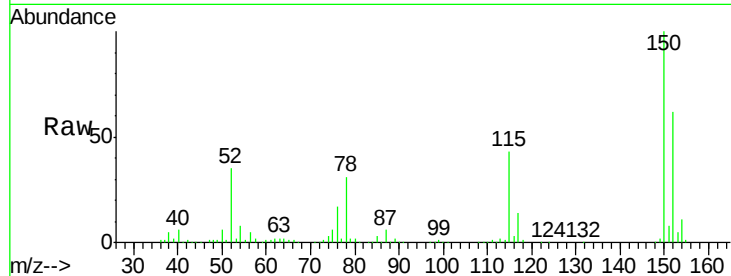
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.6	122.5	183.7
115	68.3	51.8	77.8

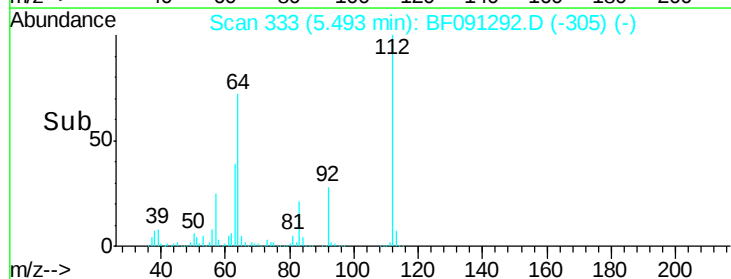
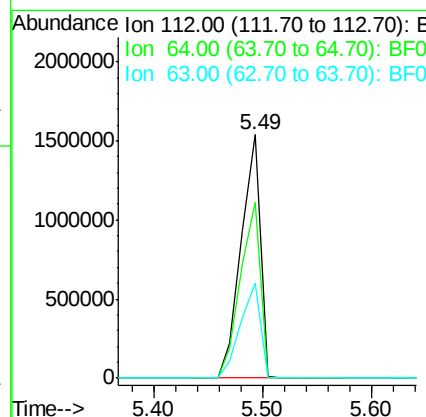
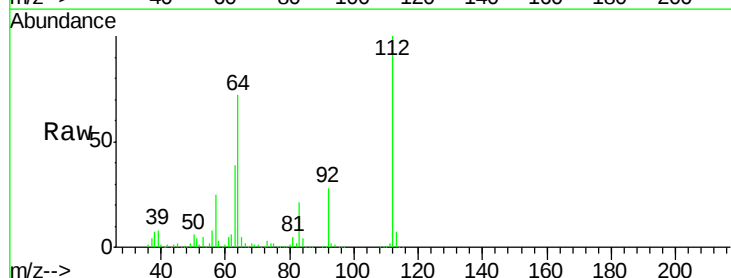
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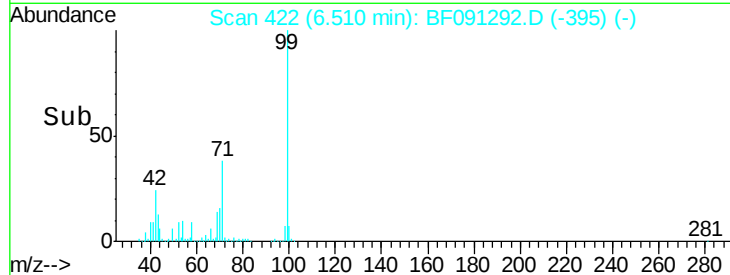
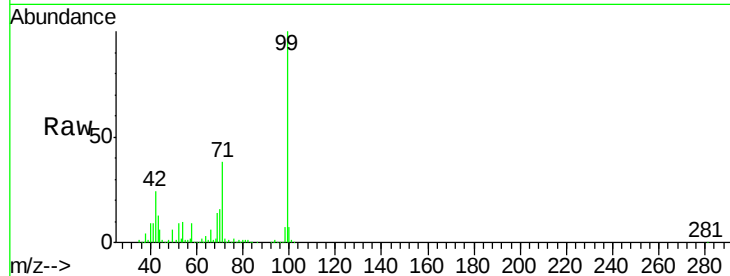
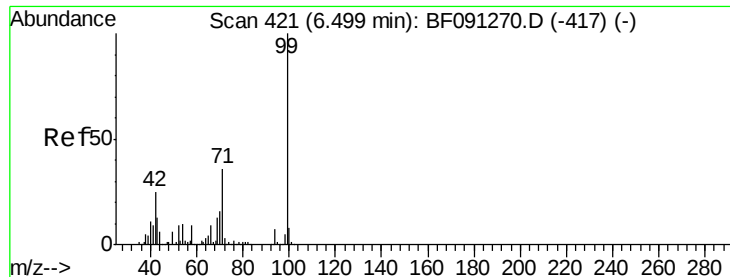
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#5
 2-Fluorophenol
 Concen: 135.21 ng
 RT: 5.49 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	61.5	92.3
63	38.9	33.3	49.9





#7

Phenol-d6

Concen: 121.89 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion: 99 Resp: 2152246

Ion Ratio Lower Upper

99 100

42 24.1 20.6 31.0

71 37.9 29.9 44.9

Instrument :

BNA_F

ClientSampleId :

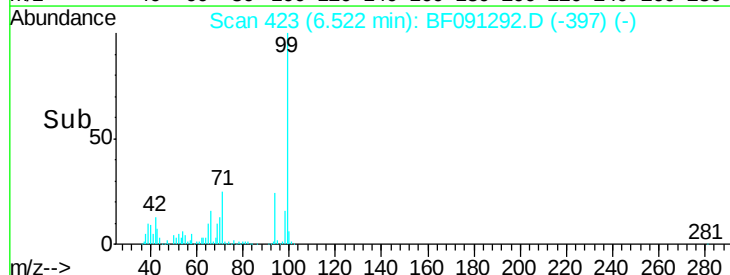
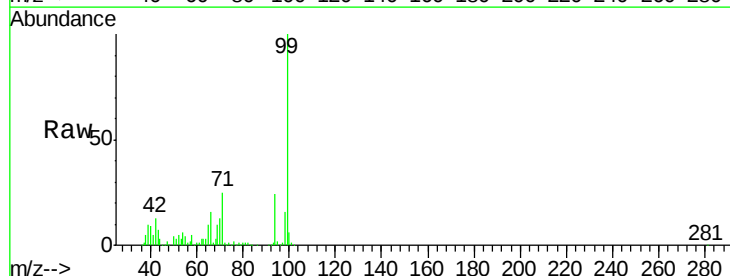
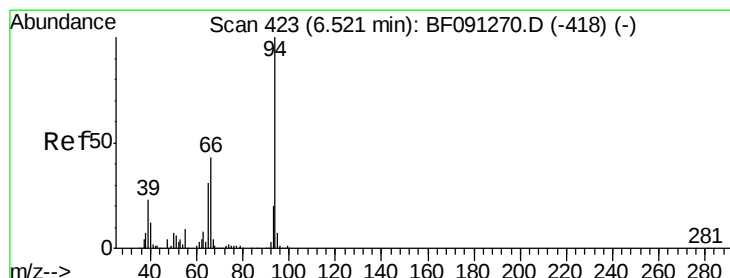
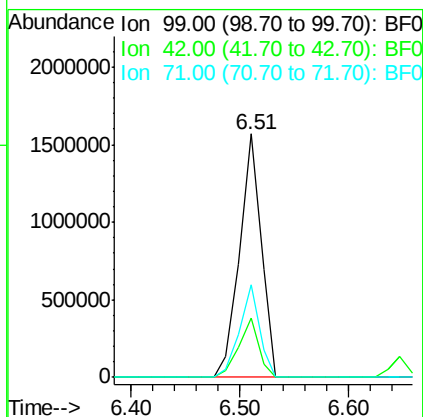
SB-03(0-0.16)

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#10

Phenol

Concen: 6.49 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

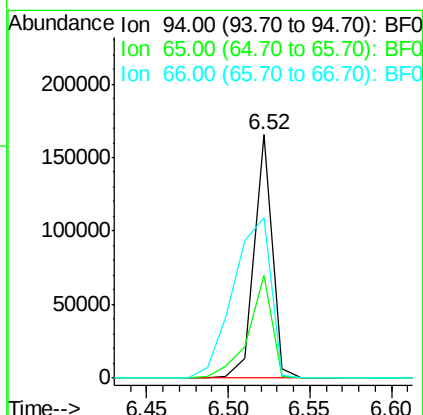
Tgt Ion: 94 Resp: 127815

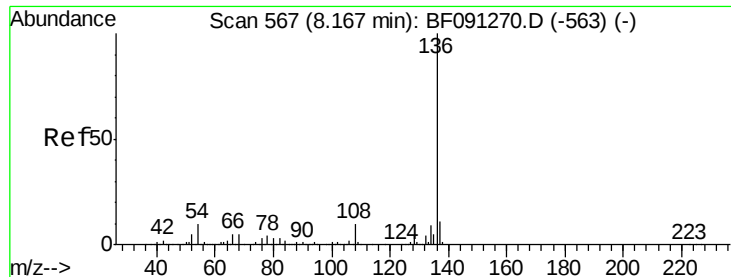
Ion Ratio Lower Upper

94 100

65 42.1 16.9 56.9

66 65.9 30.6 70.6





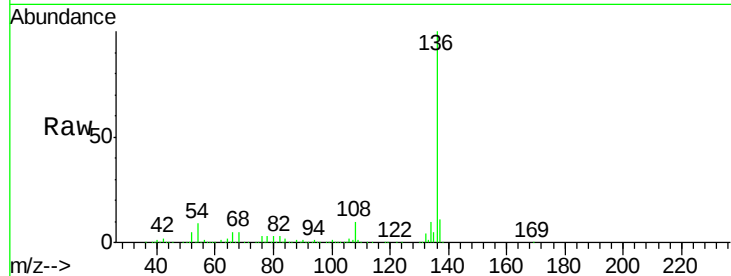
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

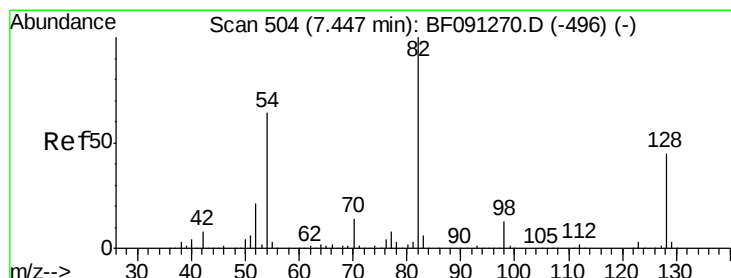
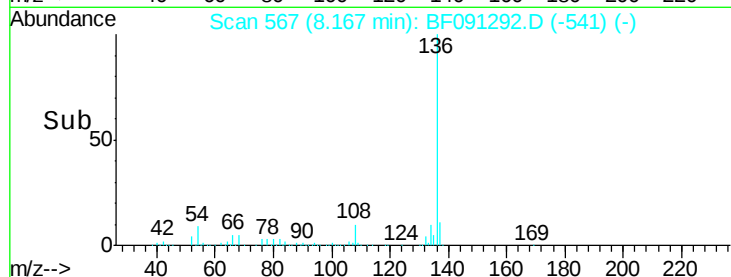
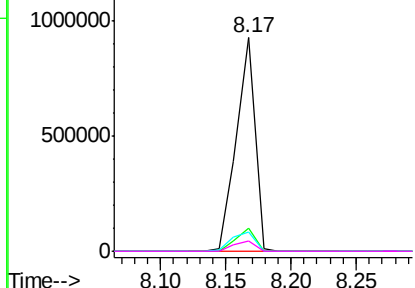
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	920718		
137	10.8	9.1	13.7	
54	8.9	9.1	13.7	
68	4.6	5.9	8.9	

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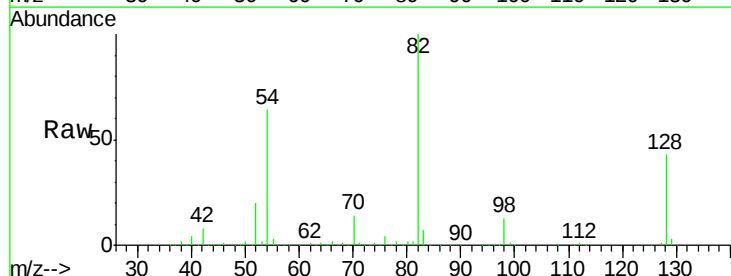


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

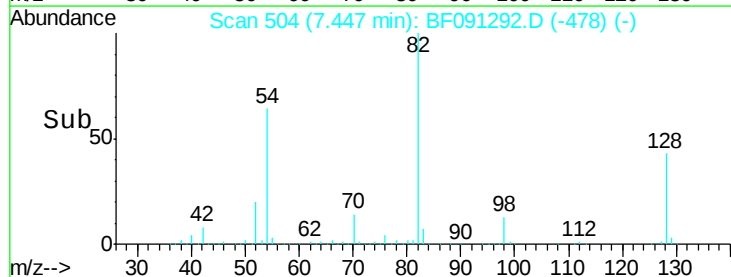
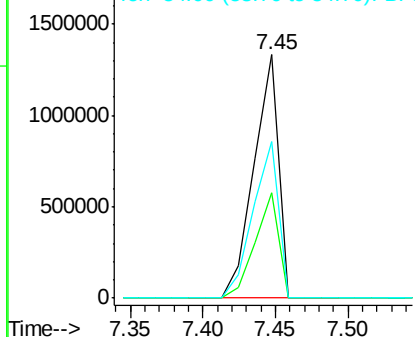


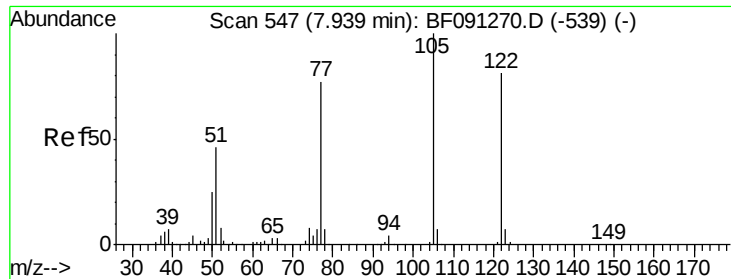
#23
Nitrobenzene-d5
Concen: 97.88 ng
RT: 7.45 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1565441		
128	43.4	31.8	47.6	
54	64.5	49.1	73.7	



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





#32

Benzoic acid

Concen: 8.49 ng

RT: 7.89 min Scan# 543

Delta R.T. -0.04 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

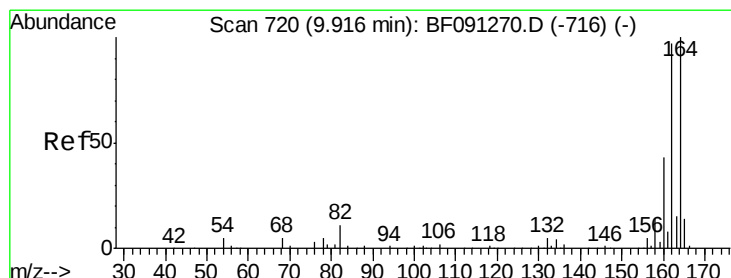
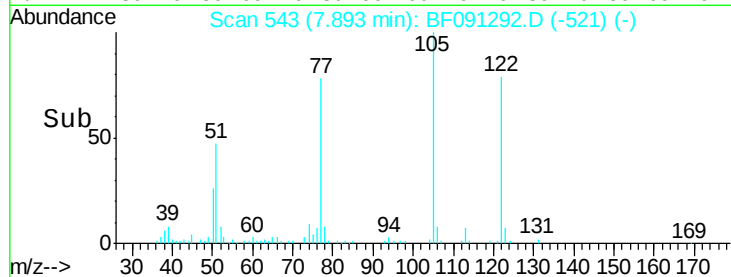
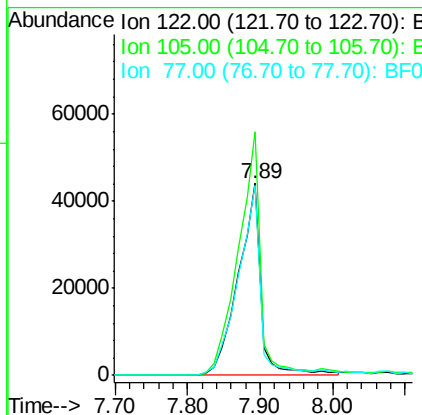
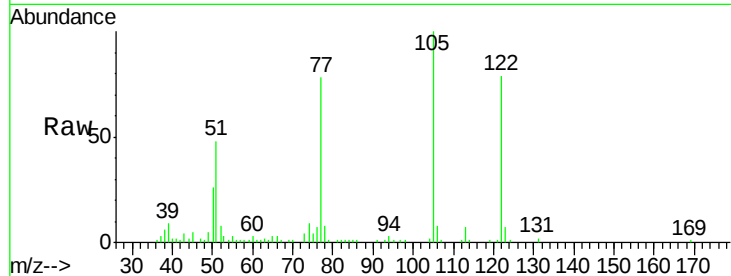
ClientSampleId :

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Tgt Ion:	122	Resp:	95222
Ion Ratio	Lower	Upper	
122	100		
105	126.9	113.0	153.0
77	99.3	82.0	122.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

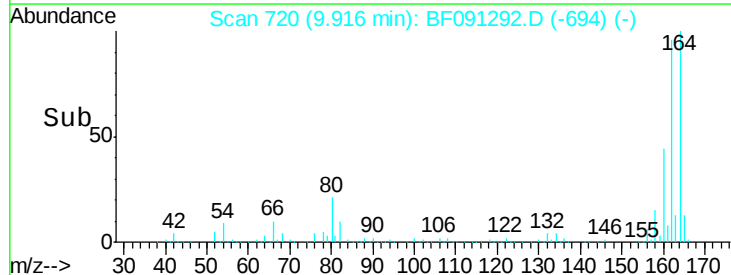
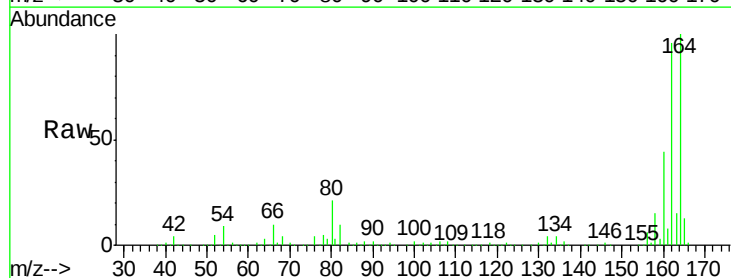
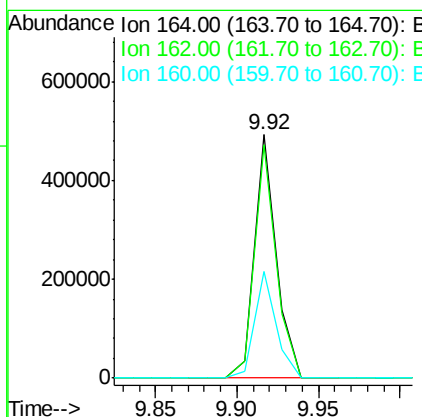
RT: 9.92 min Scan# 720

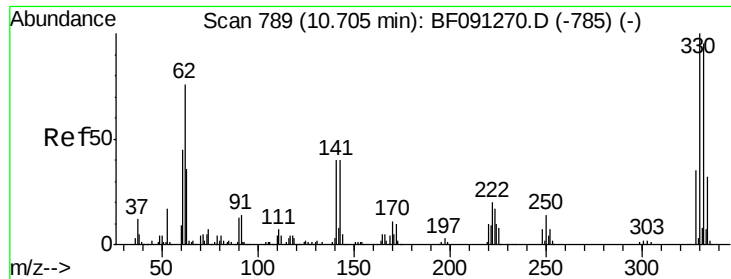
Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion:	164	Resp:	456261
Ion Ratio	Lower	Upper	
164	100		
162	96.0	82.6	124.0
160	43.7	36.7	55.1





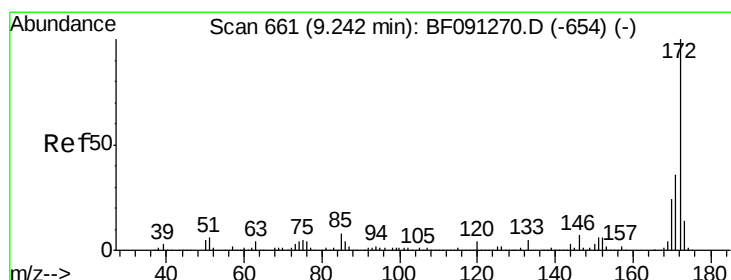
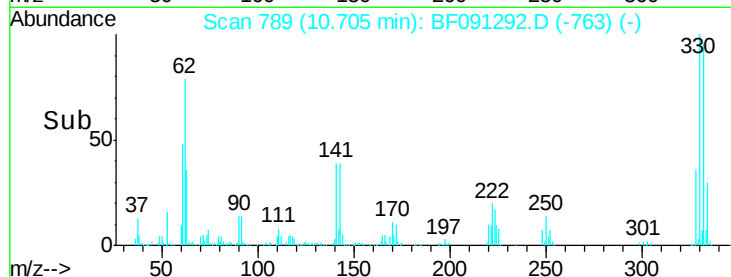
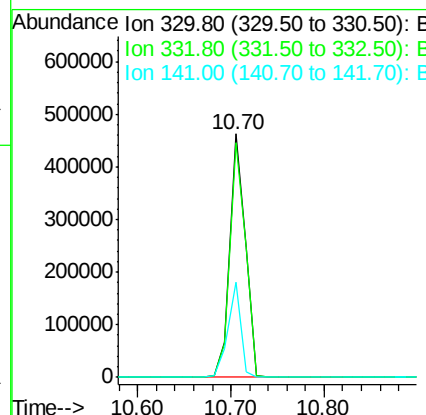
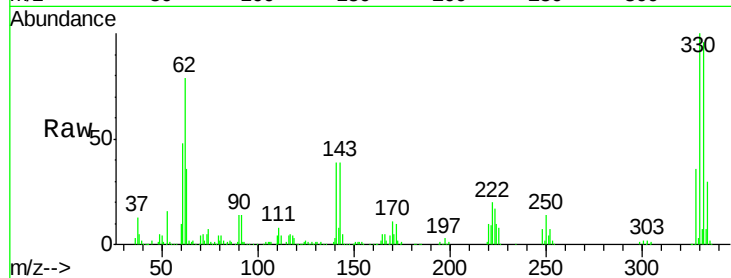
#41
 2,4,6-Tribromophenol
 Concen: 117.03 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

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 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	538470		
332	97.3	76.2	114.4	
141	31.7	33.6	50.4#	

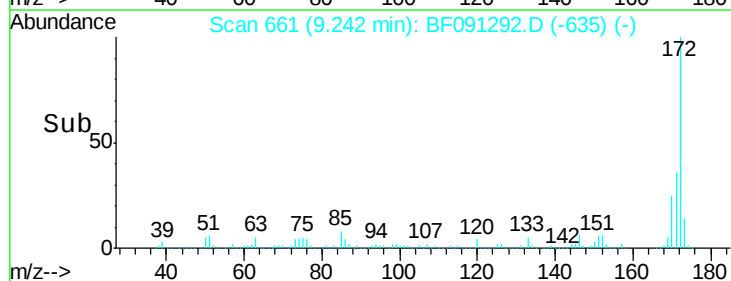
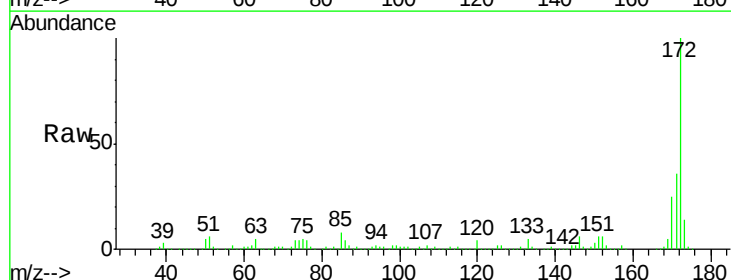
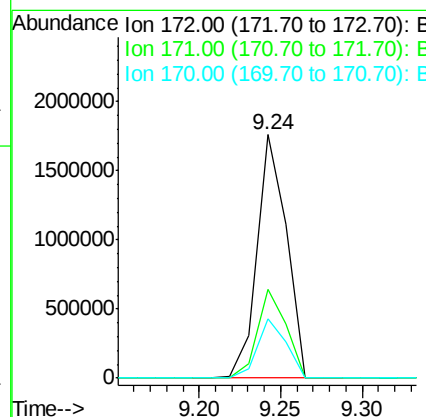
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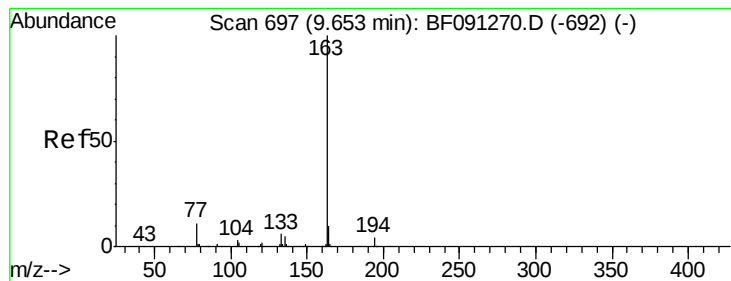
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#44
 2-Fluorobiphenyl
 Concen: 78.81 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2195985		
171	36.4	29.4	44.0	
170	24.6	19.7	29.5	





#49

Dimethylphthalate

Concen: 11.37 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

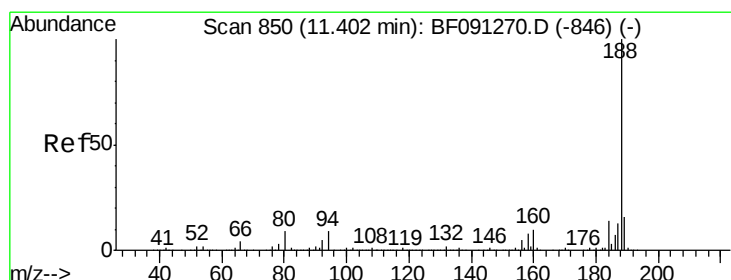
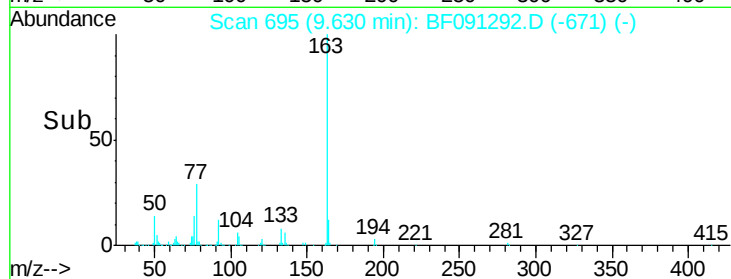
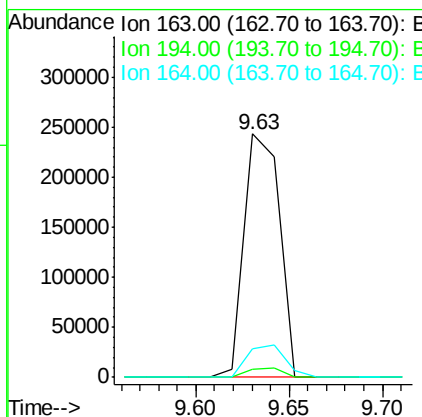
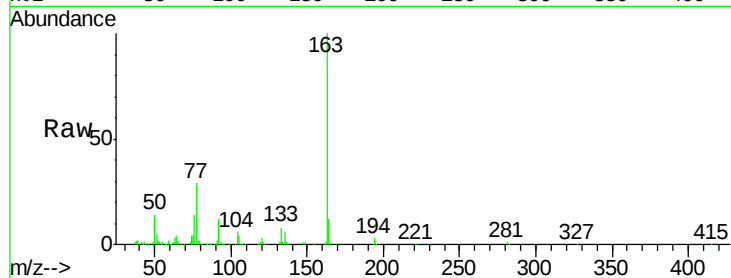
ClientSampleId :

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Tgt Ion:	163	Resp:	323931
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.0	4.4
164	11.7	7.8	11.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

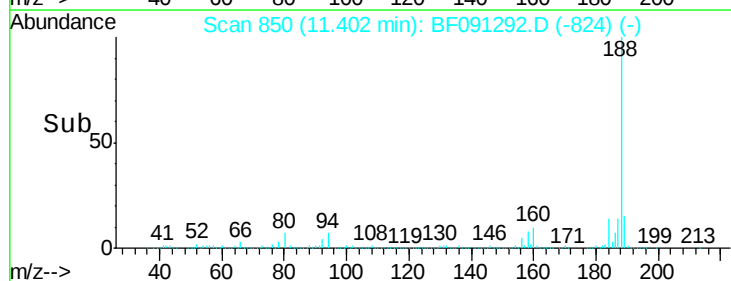
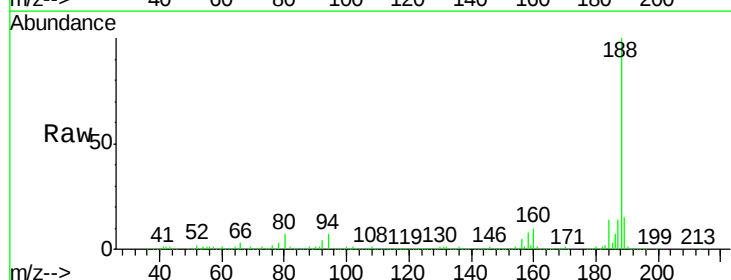
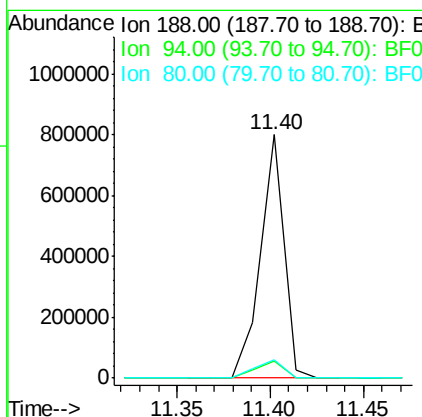
RT: 11.40 min Scan# 850

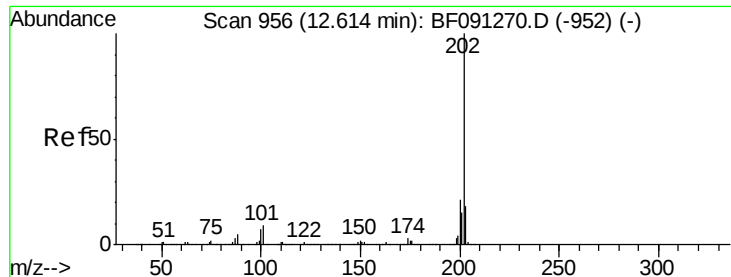
Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion:	188	Resp:	696170
Ion Ratio	Lower	Upper	
188	100		
94	7.1	9.2	13.8#
80	7.5	10.5	15.7#





#74

Fluoranthene

Concen: 3.19 ng

RT: 12.61 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

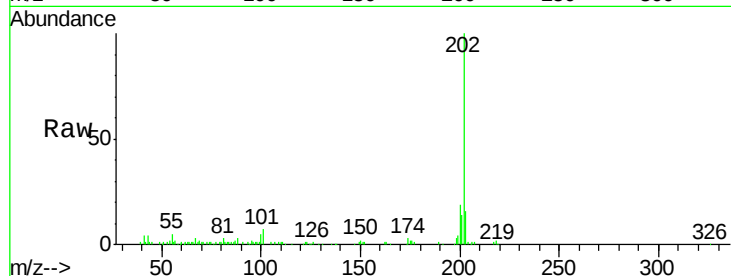
ClientSampleId :

SB-03(0-0.16)

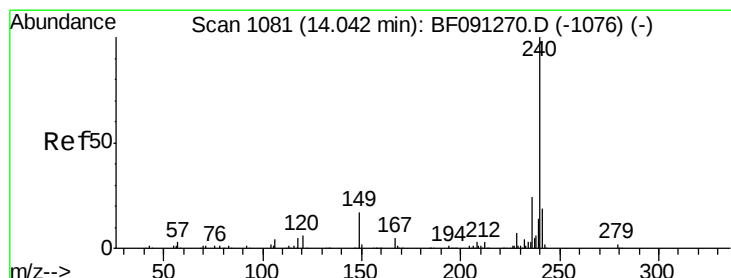
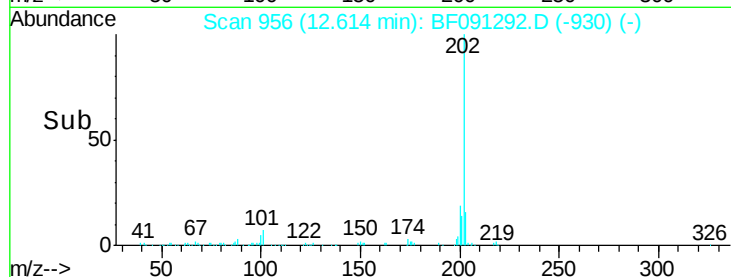
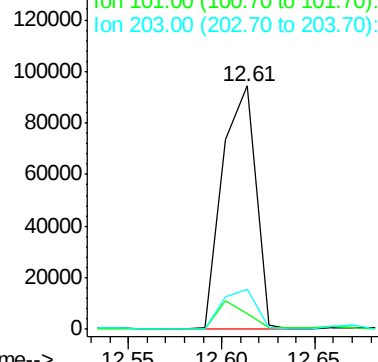
Tgt	Ion	202	Resp:	117237
Ion	Ratio	Lower	Upper	
202	100			
101	6.5	0.0	29.5	
203	16.3	0.0	37.8	

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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

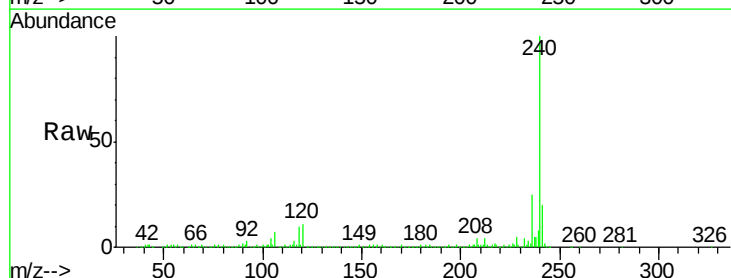
RT: 14.03 min Scan# 1080

Delta R.T. -0.01 min

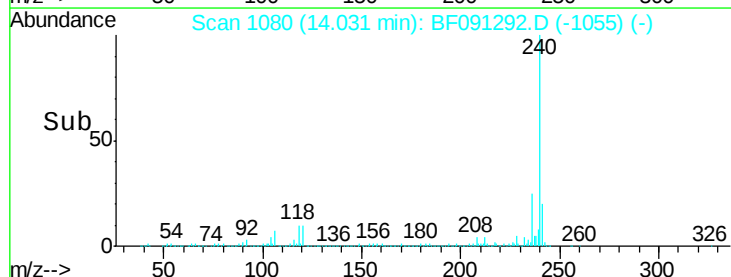
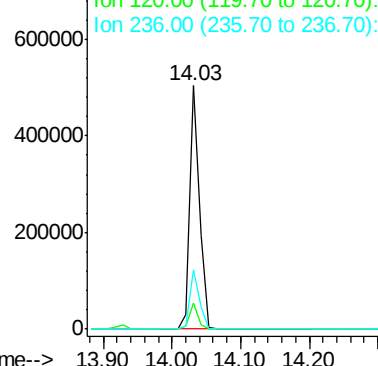
Lab File: BF091292.D

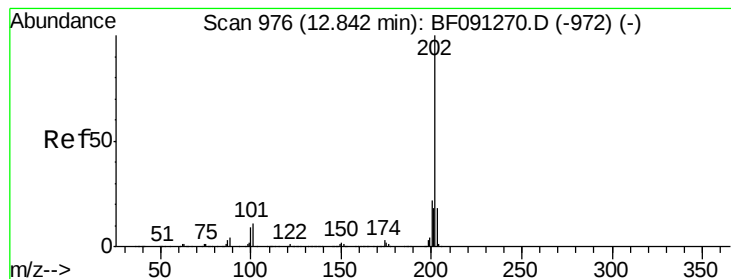
Acq: 23 Nov 2016 23:15

Tgt	Ion	240	Resp:	508950
Ion	Ratio	Lower	Upper	
240	100			
120	10.5	12.1	18.1#	
236	24.5	21.0	31.6	



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: 2.91 ng

RT: 12.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

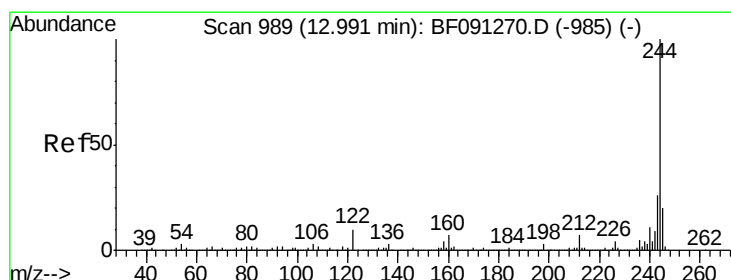
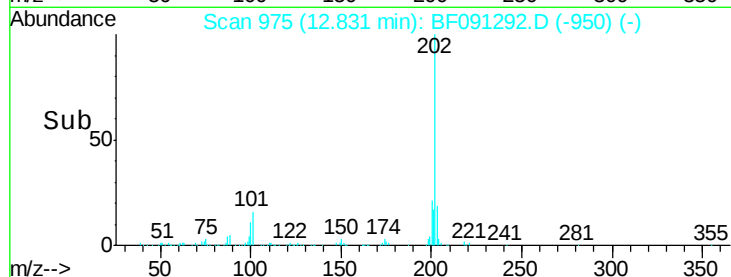
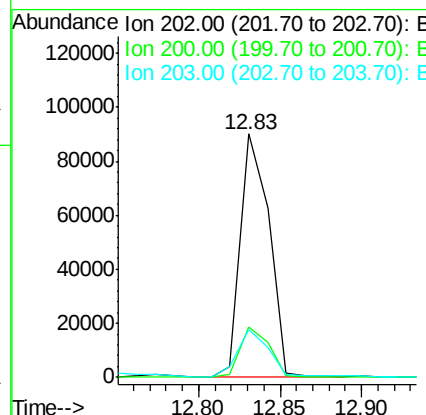
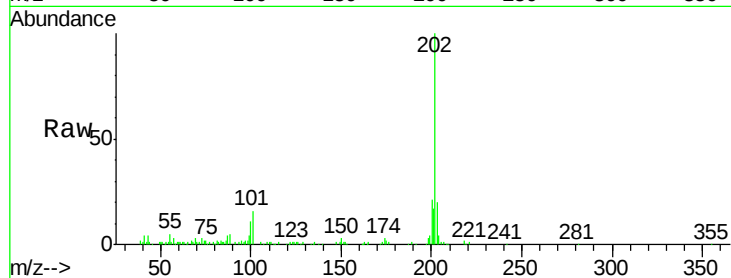
ClientSampleId :

SB-03(0-0.16)

Tgt Ion:	202	Resp:	109263
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	19.6	14.0	21.0

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#78

Terphenyl-d14

Concen: 64.67 ng

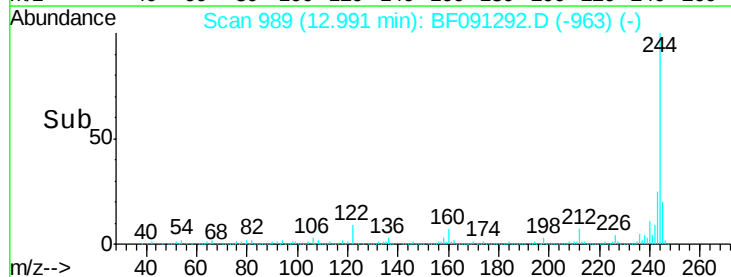
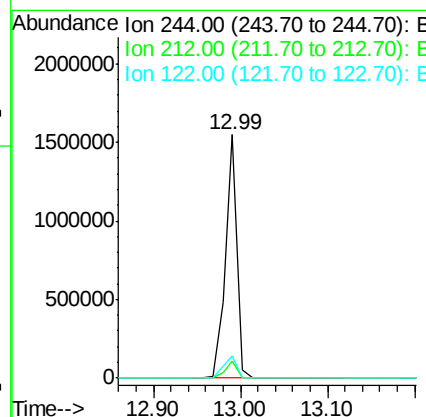
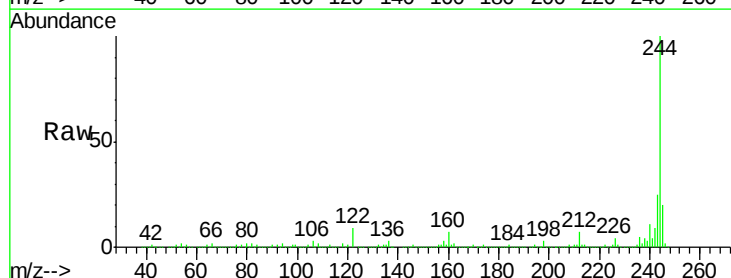
RT: 12.99 min Scan# 989

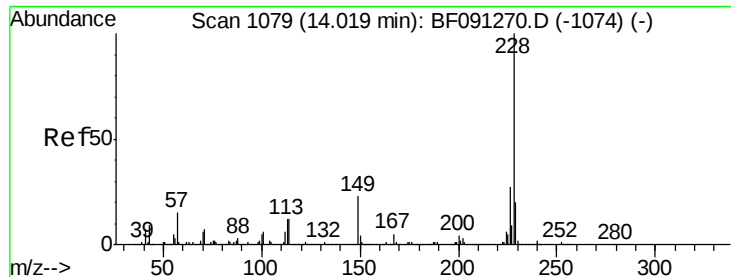
Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion:	244	Resp:	1441165
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.5	9.7
122	9.2	9.5	14.3#





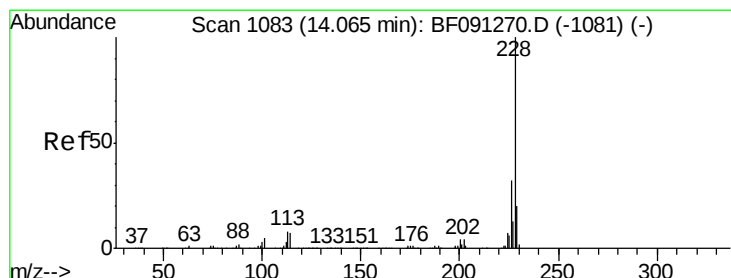
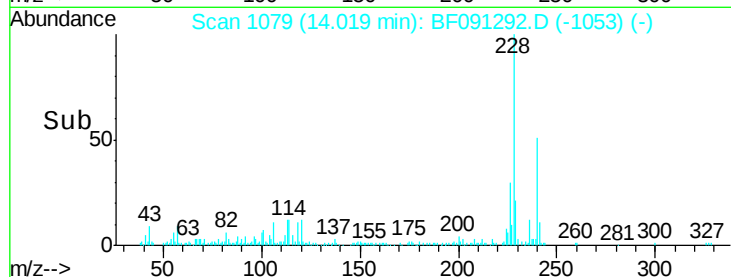
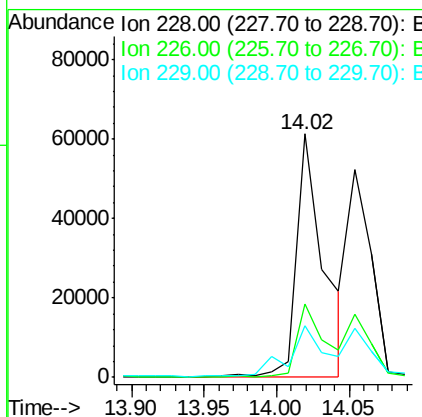
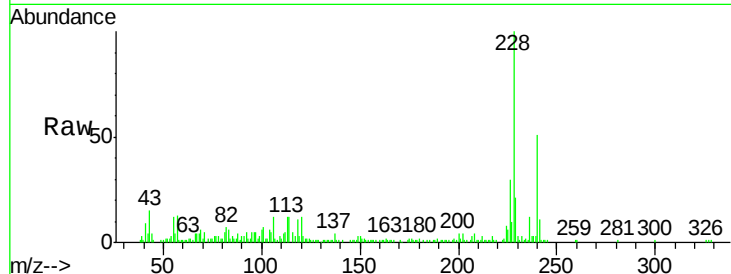
#80
Benzo(a)anthracene
Concen: 2.78 ng
RT: 14.02 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.5	33.7
229	21.3	16.4	24.6

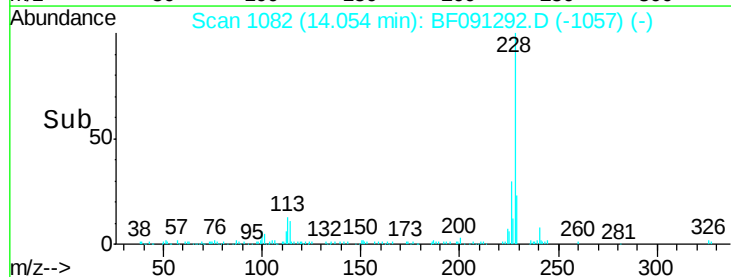
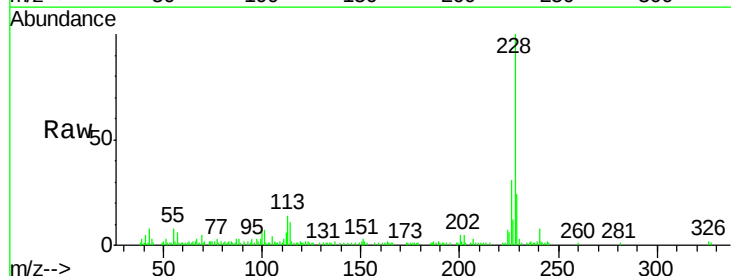
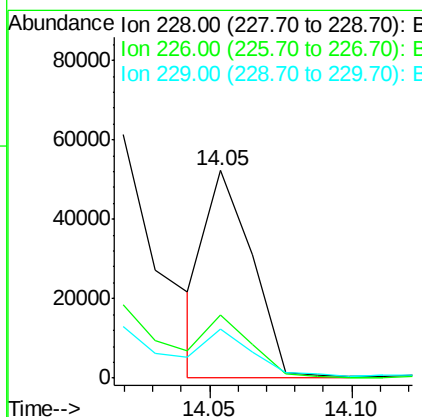
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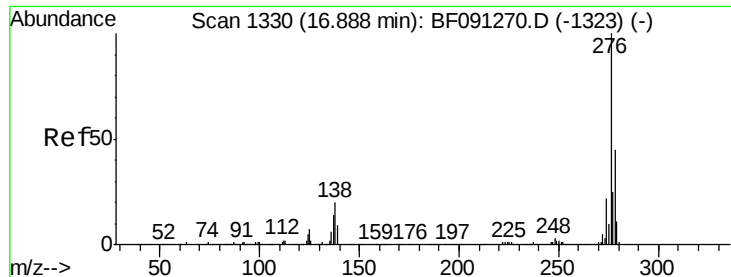
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#82
Chrysene
Concen: 2.15 ng m
RT: 14.05 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	23.7	16.0	24.0





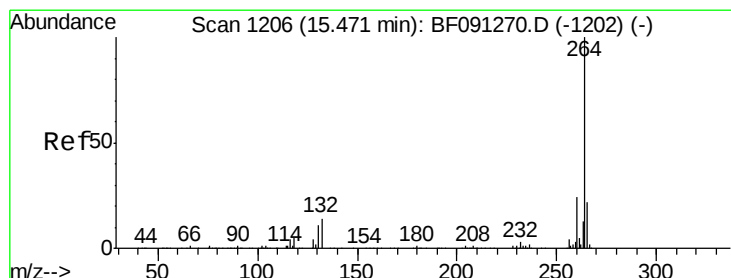
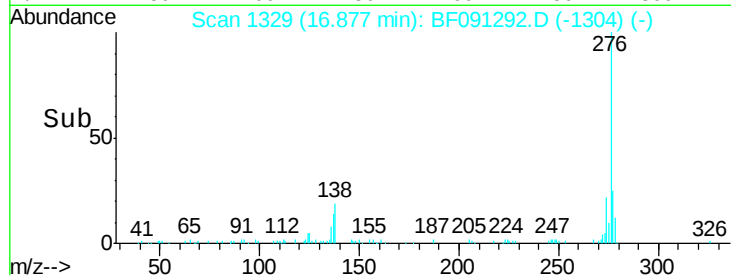
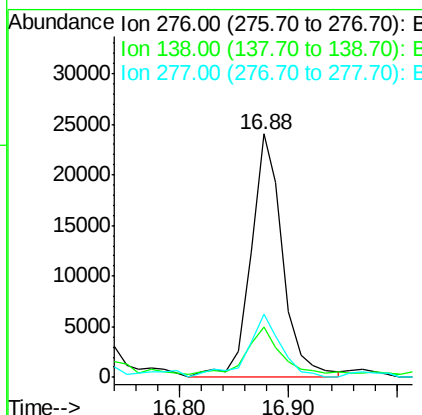
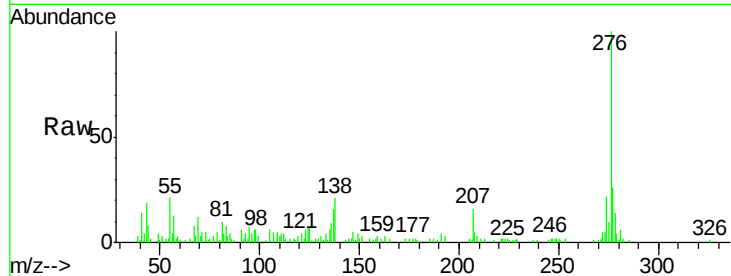
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.08 ng
RT: 16.88 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	21.0	31.4
277	27.3	20.2	30.2

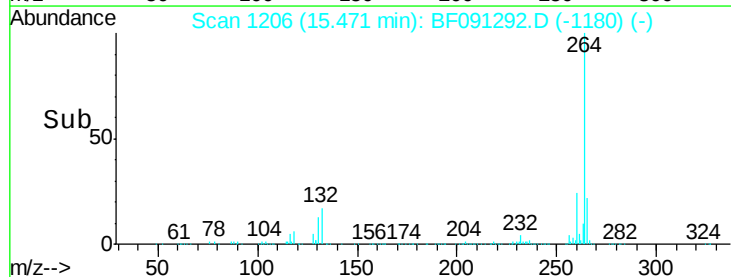
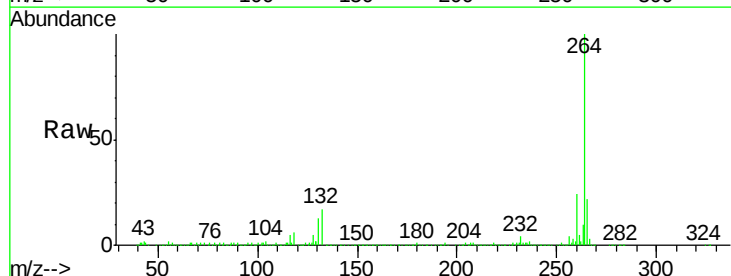
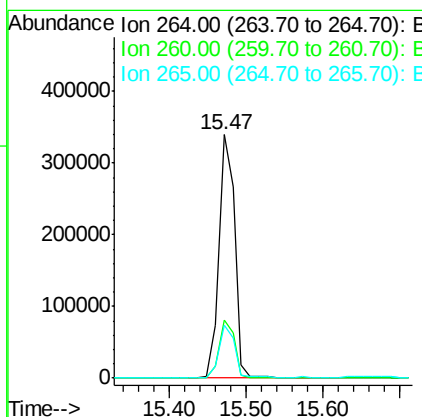
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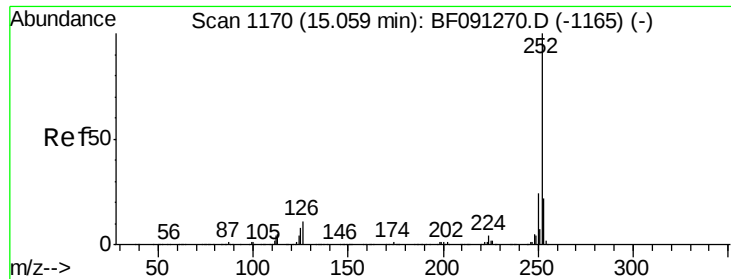
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.7	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 3.78 ng m

RT: 15.06 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

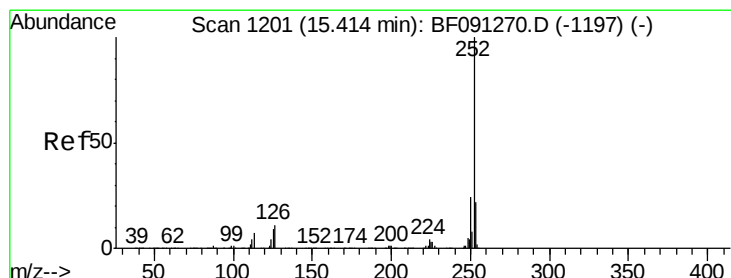
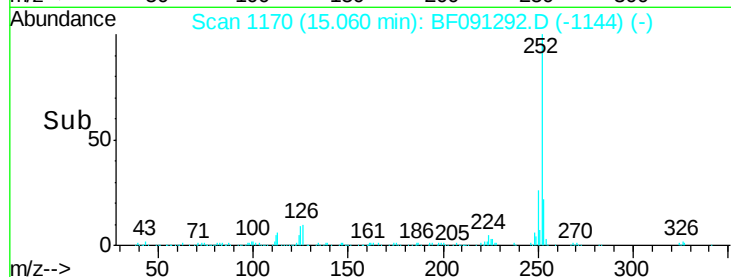
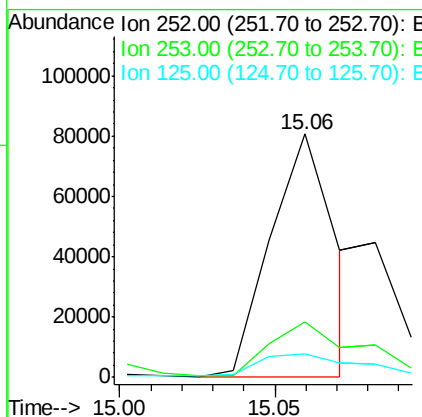
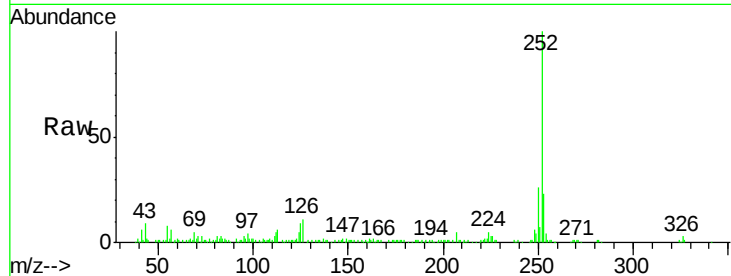
ClientSampleId :

SB-03(0-0.16)

Tgt Ion:	252	Resp:	117075
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	9.5	8.6	13.0

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.73 ng m

RT: 15.41 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion:	252	Resp:	71939
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.4
125	8.0	10.4	15.6#

