

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
 Data File : BF092972.D
 Acq On : 16 Feb 2017 00:59
 Operator : SJ/MA
 Sample : I1826-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-2-COMP14

Manual Integrations
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 2/16/2017 11:39:06 AM

Quant Time: Feb 16 10:53:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	154965	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	560724	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	303156	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	476826	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	310694	20.00	ng	-0.03
86) Perylene-d12	15.46	264	291344	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	954165	105.64	ng	-0.01
7) Phenol-d6	6.51	99	1188251	102.24	ng	-0.02
23) Nitrobenzene-d5	7.45	82	841245	83.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	221600	101.07	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1093129	65.33	ng	-0.01
78) Terphenyl-d14	12.98	244	794439	60.08	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.52	94	33046	2.43	ng	82
31) Naphthalene	8.18	128	160595	5.65	ng	98
37) 2-Methylnaphthalene	8.88	142	56435	3.09	ng	97
49) Dimethylphthalate	9.63	163	250310	12.26	ng	99
70) Phenanthrene	11.41	178	181672	6.65	ng	98
71) Anthracene	11.46	178	65882	2.40	ng	97
74) Fluoranthene	12.60	202	288144	10.23	ng	94
77) Pyrene	12.83	202	341973	14.71	ng	98
80) Benzo(a)anthracene	14.02	228	179848	9.46	ng	# 87
82) Chrysene	14.05	228	146615m	8.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.88	276	160566	11.65	ng	99
87) Benzo(b)fluoranthene	15.05	252	251249m	13.10	ng	
88) Benzo(k)fluoranthene	15.06	252	96849m	5.85	ng	
89) Benzo(a)pyrene	15.40	252	238676	14.39	ng	99
90) Dibenzo(a,h)anthracene	16.88	278	37173m	2.77	ng	
91) Benzo(g,h,i)perylene	17.30	276	180013	13.29	ng	# 92

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

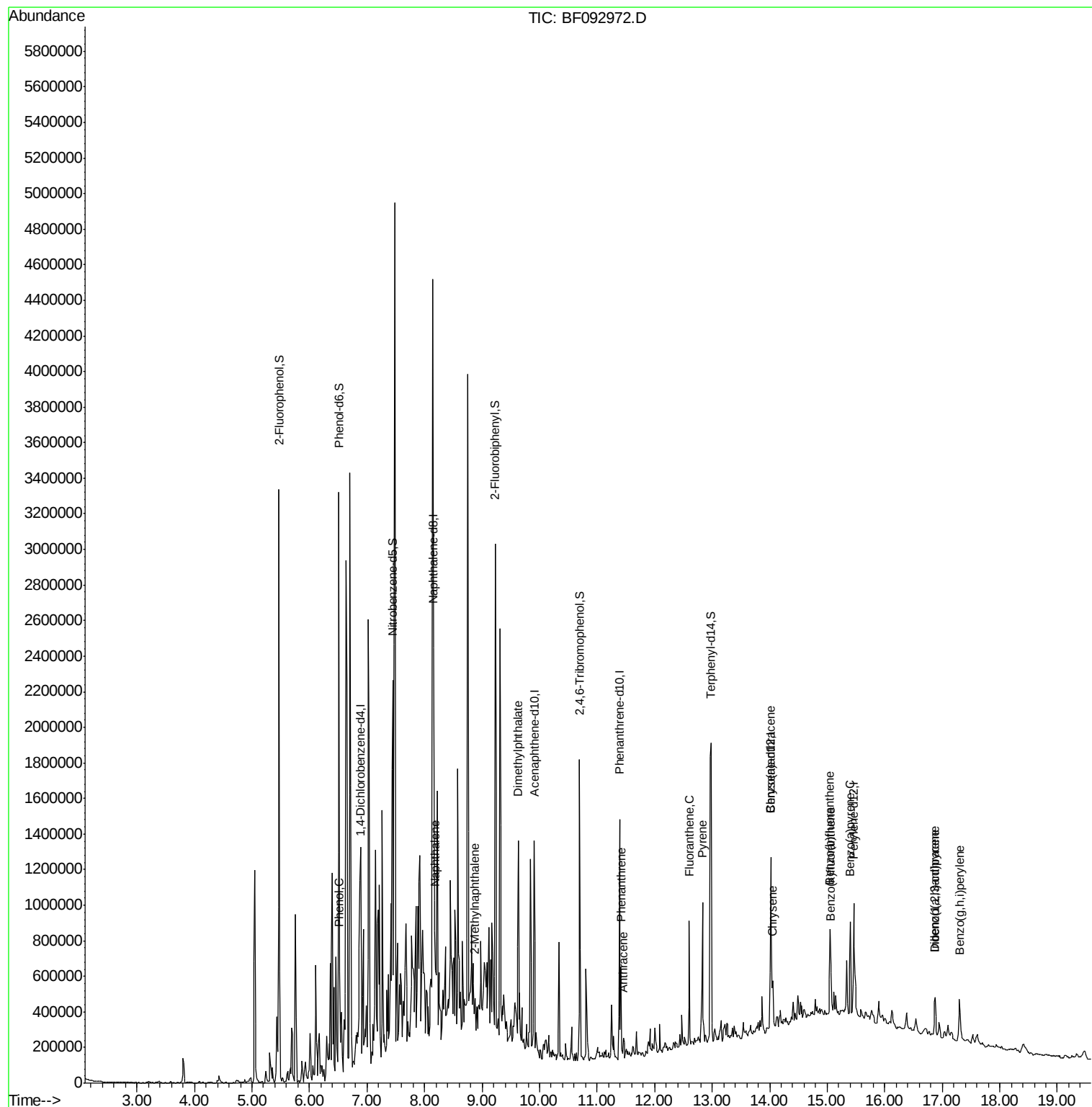
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
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ALS Vial : 24 Sample Multiplier: 1

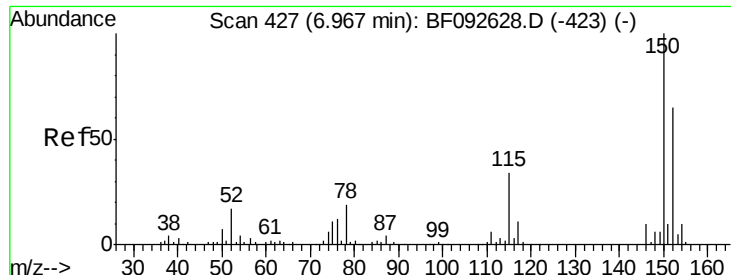
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#1

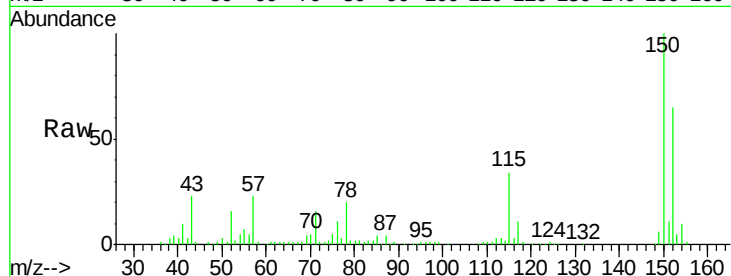
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

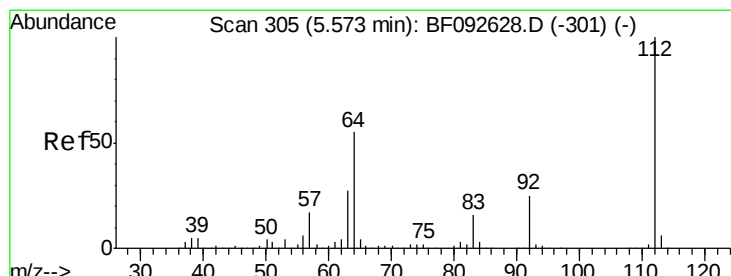
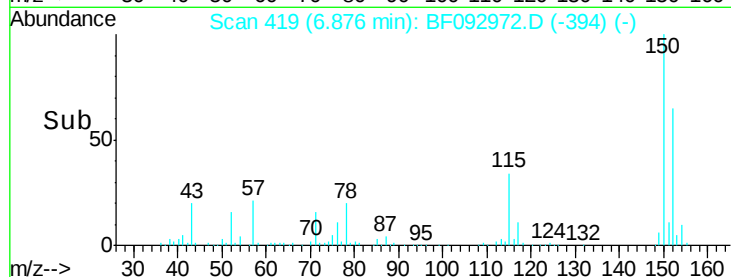
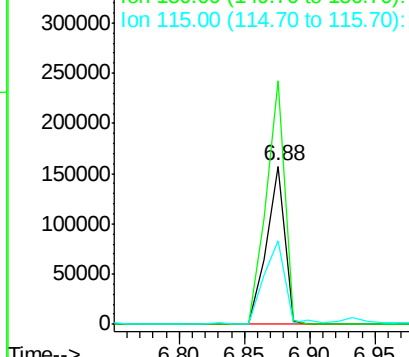
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.9	187.3
115	52.6	46.0	69.0

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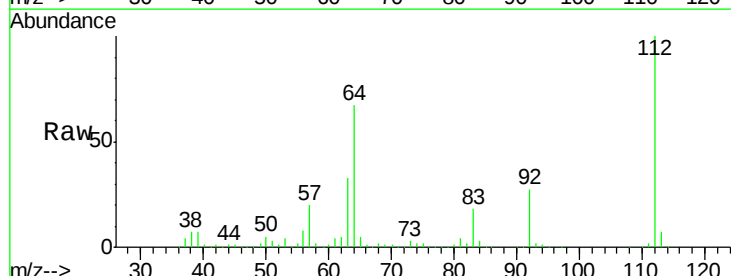
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



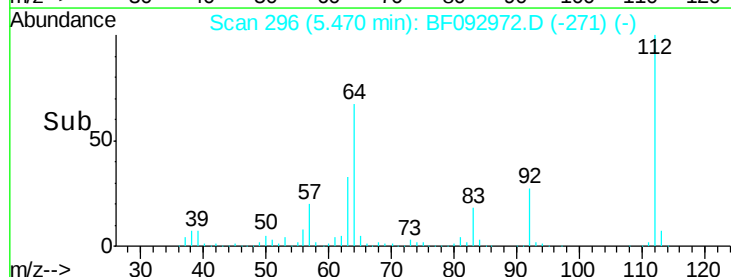
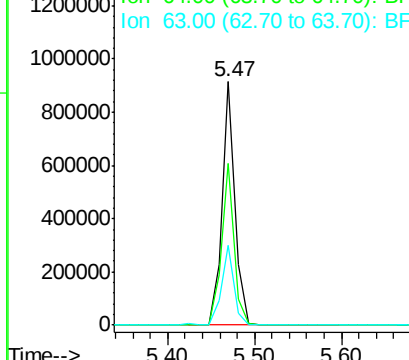
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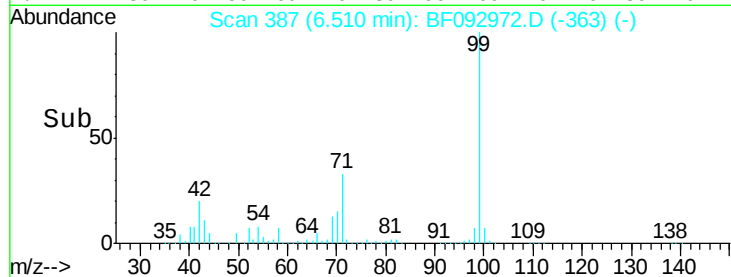
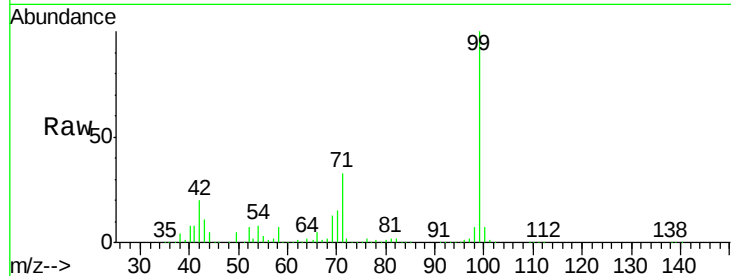
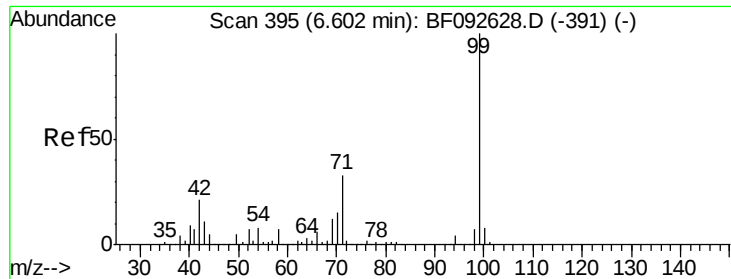
2-Fluorophenol
Concen: 105.64 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.1	69.1
63	32.9	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.24 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Tgt Ion:	99	Resp:	1188251
Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.6	23.4
71	32.8	27.5	41.3

Instrument :

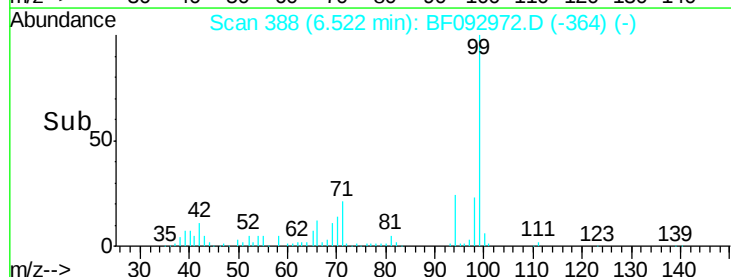
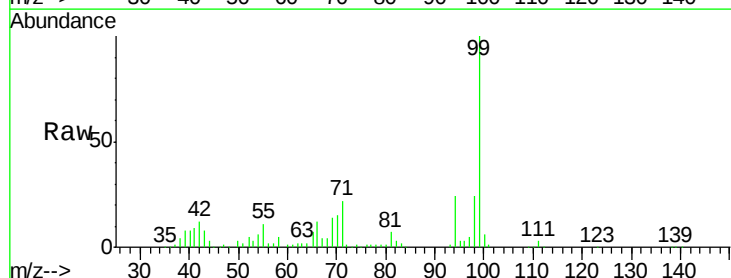
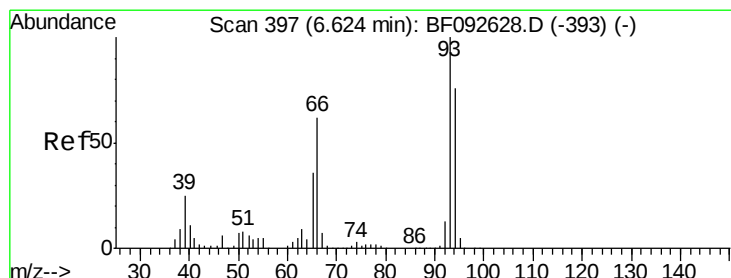
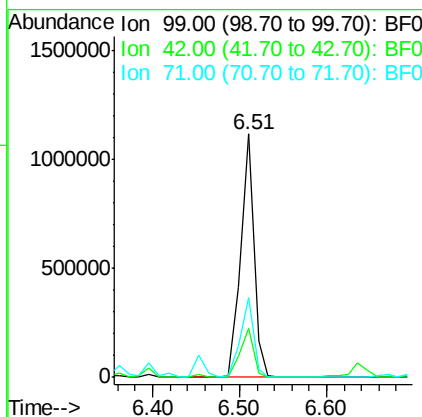
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#10

Phenol

Concen: 2.43 ng

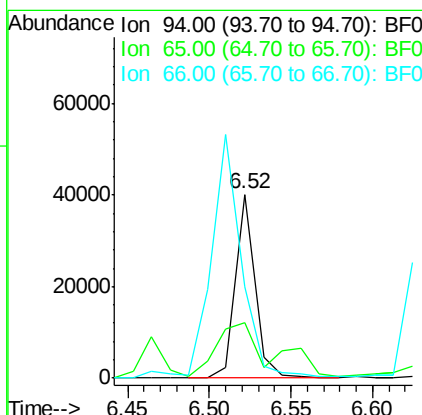
RT: 6.52 min Scan# 388

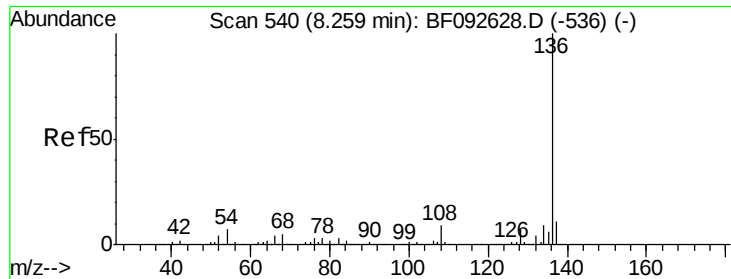
Delta R.T. -0.02 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Tgt Ion:	94	Resp:	33046
Ion	Ratio	Lower	Upper
94	100		
65	30.3	21.4	61.4
66	49.7	44.0	84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Instrument :

BNA_F

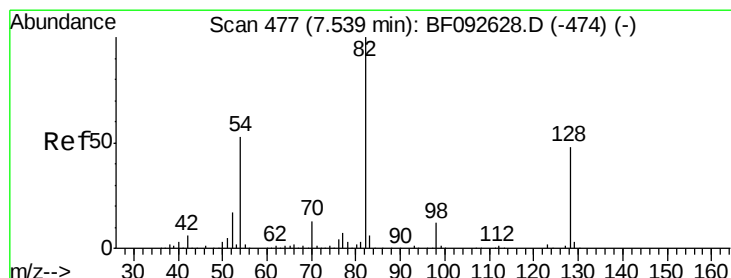
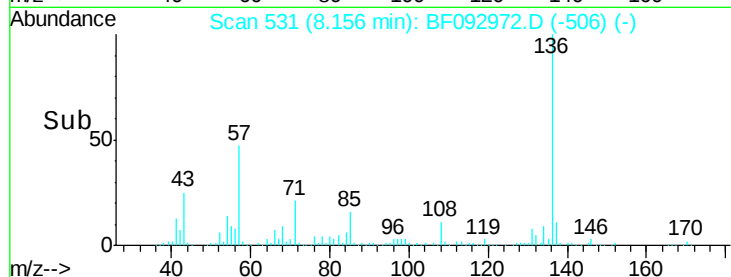
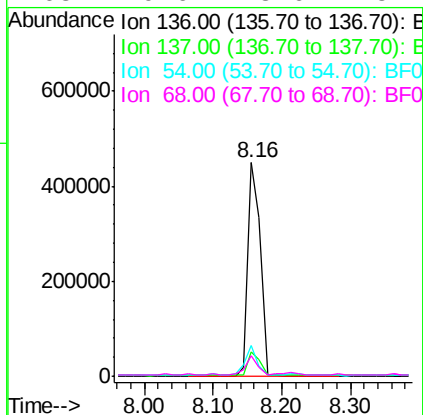
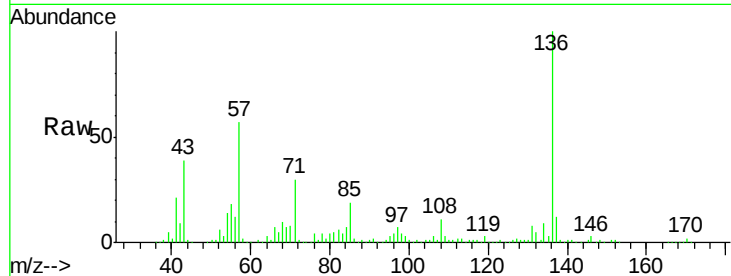
ClientSampleId :

TP1-2-COMP14

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	560724		
137	11.6	8.4	12.6	
54	14.3	4.5	6.7#	
68	9.6	3.6	5.4#	

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#23

Nitrobenzene-d5

Concen: 83.55 ng

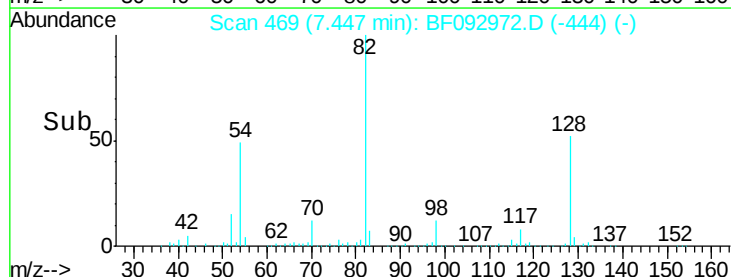
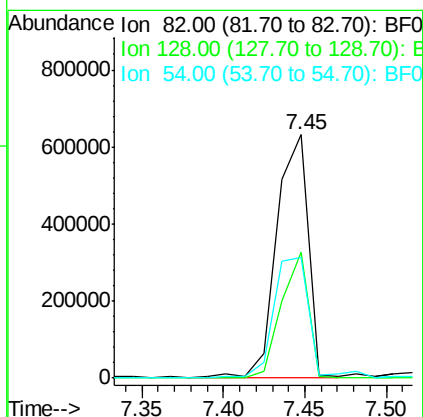
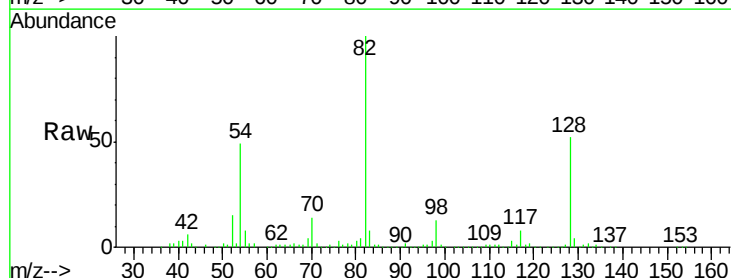
RT: 7.45 min Scan# 469

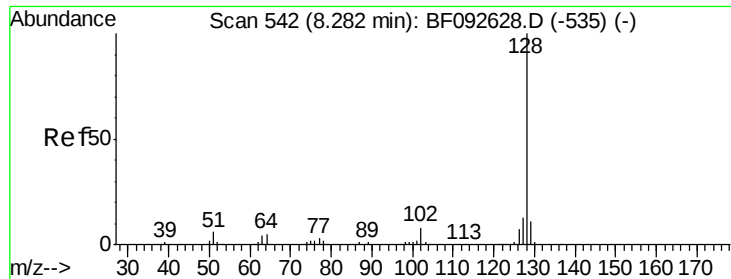
Delta R.T. -0.01 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	841245		
128	51.9	34.6	52.0	
54	49.5	39.5	59.3	





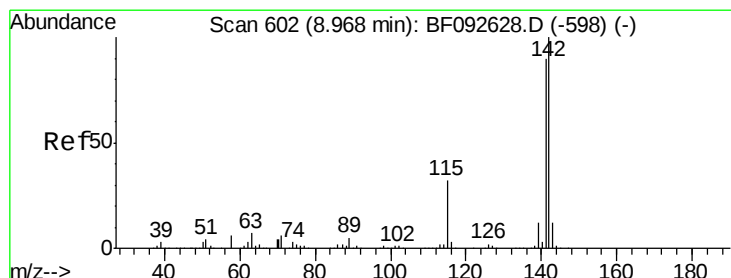
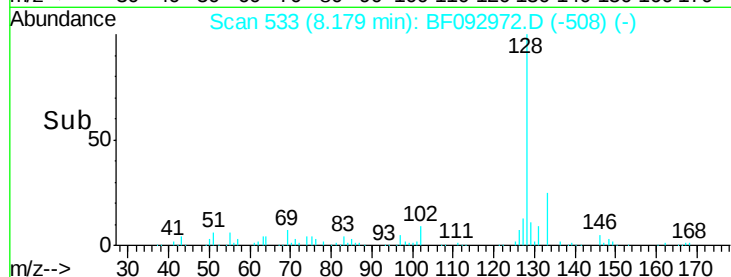
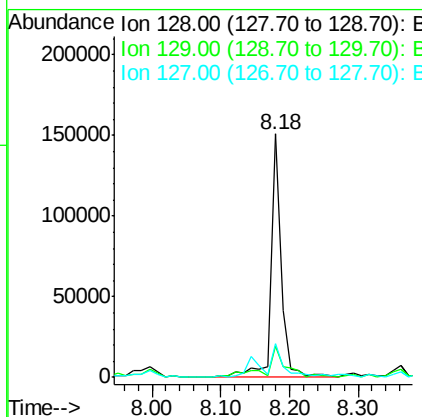
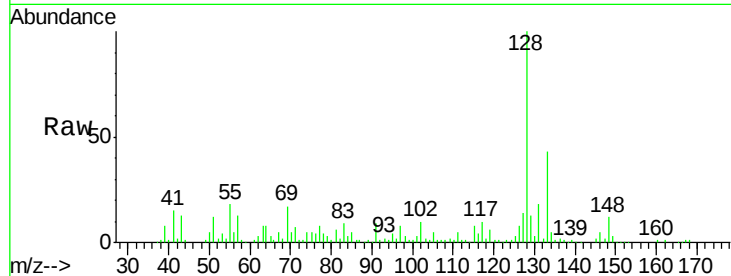
#31
Naphthalene
Concen: 5.65 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	160595		
129	13.0		9.5	14.3
127	13.8		10.8	16.2

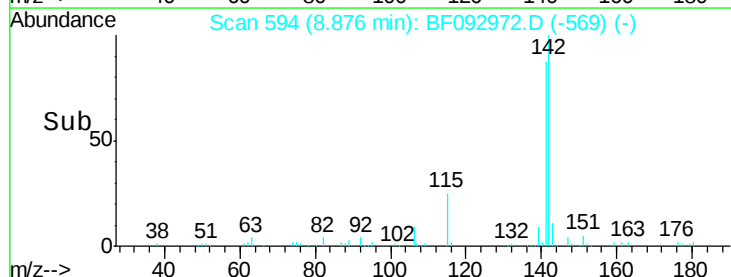
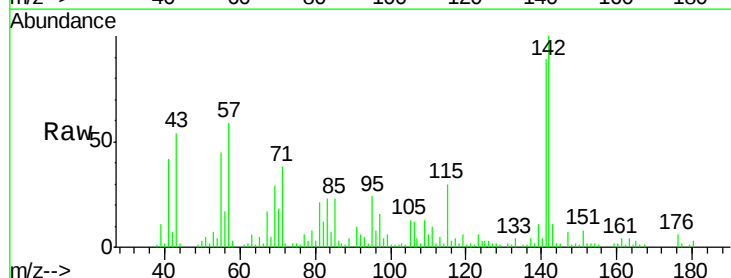
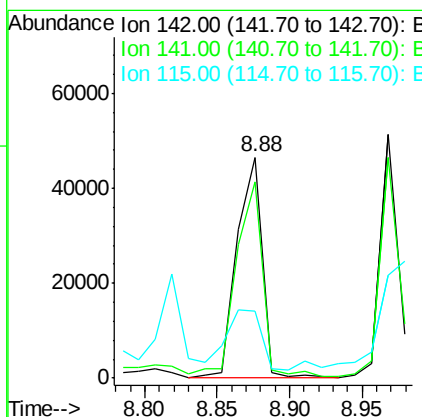
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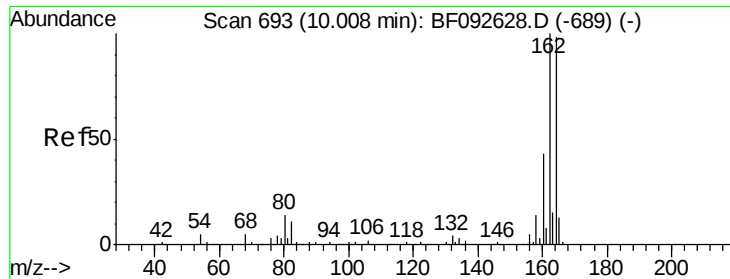
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#37
2-Methylnaphthalene
Concen: 3.09 ng
RT: 8.88 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	56435		
141	88.9		71.0	106.6
115	30.1		28.3	42.5





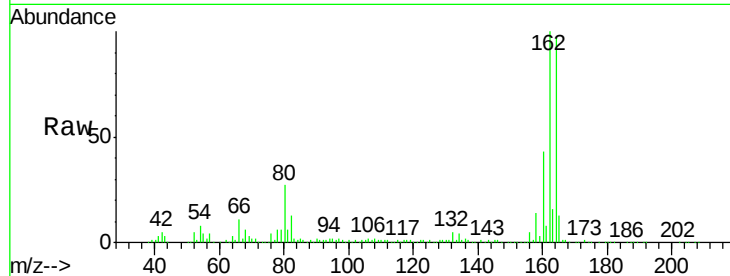
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

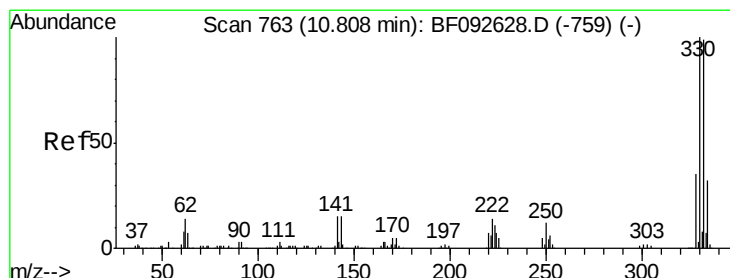
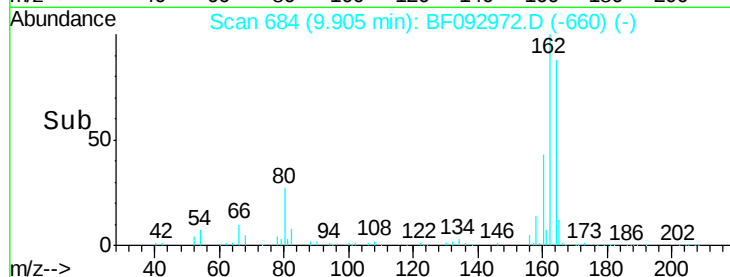
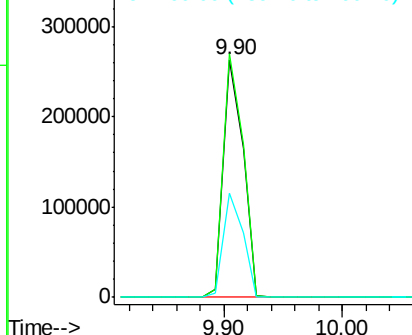
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	303156		
162	102.6	80.2	120.2	
160	43.6	36.9	55.3	

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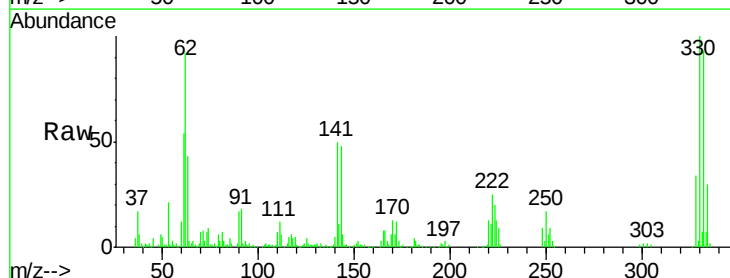


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

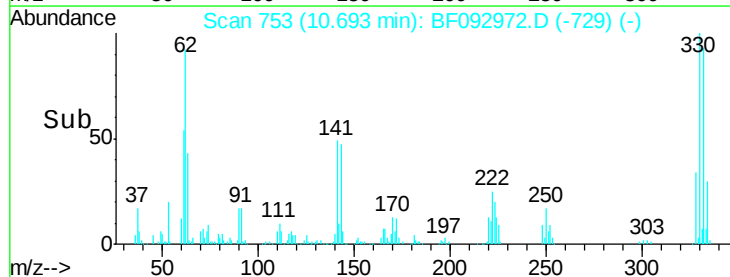
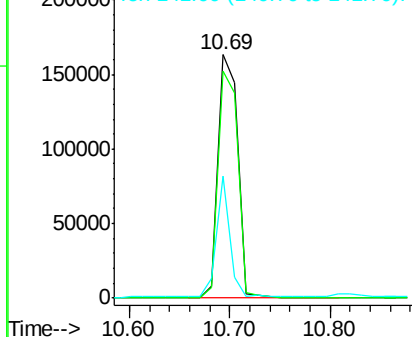


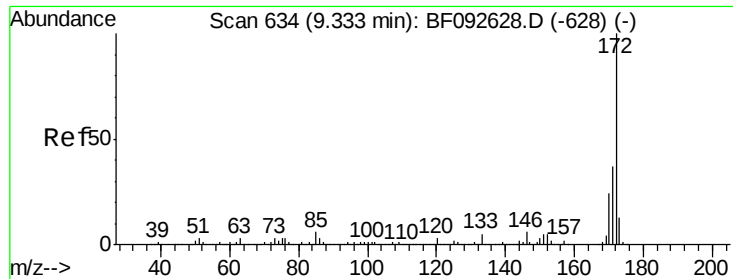
#41
2,4,6-Tribromophenol
Concen: 101.07 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	221600		
332	94.2	77.4	116.2	
141	33.8	34.1	51.1#	



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





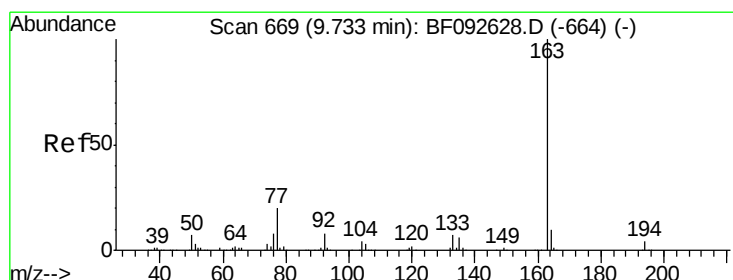
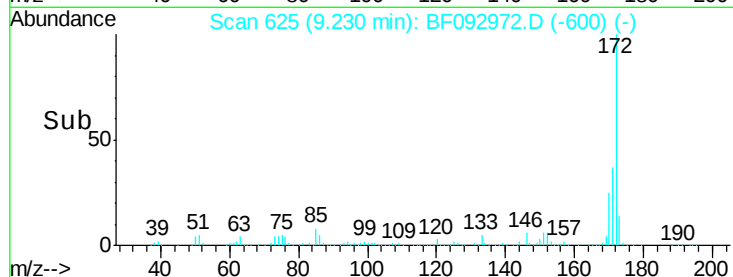
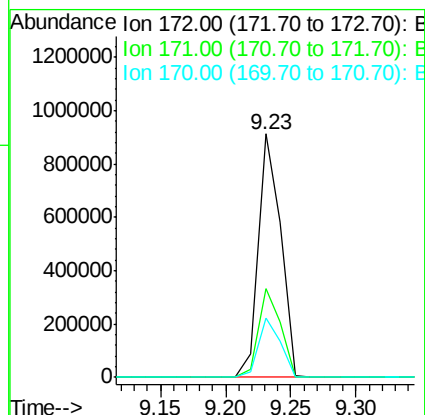
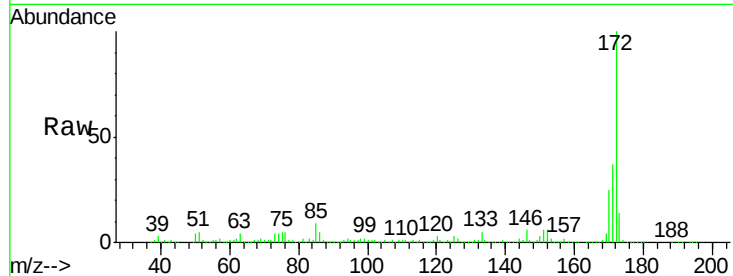
#44
2-Fluorobiphenyl
Concen: 65.33 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

Tgt Ion:172 Resp: 1093129
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.5 20.2 30.4

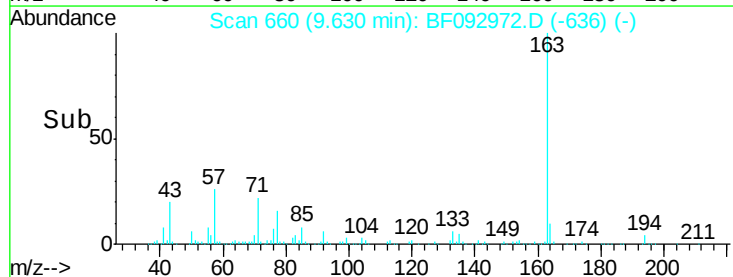
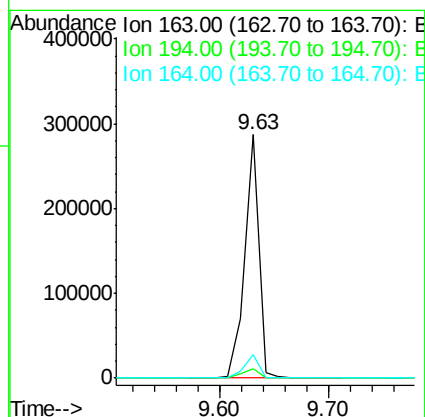
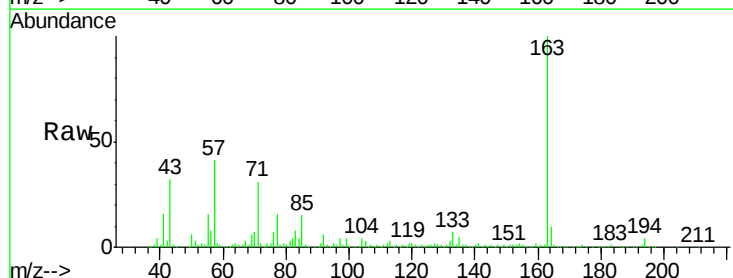
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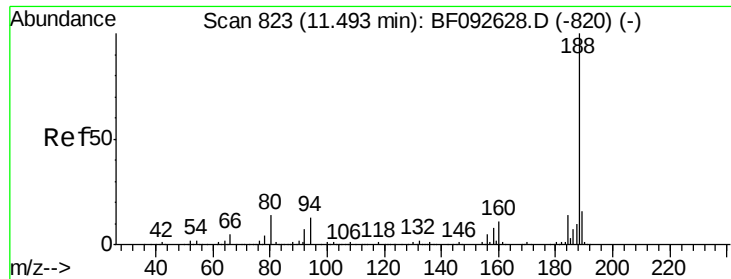
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#49
Dimethylphthalate
Concen: 12.26 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion:163 Resp: 250310
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.7 8.0 12.0





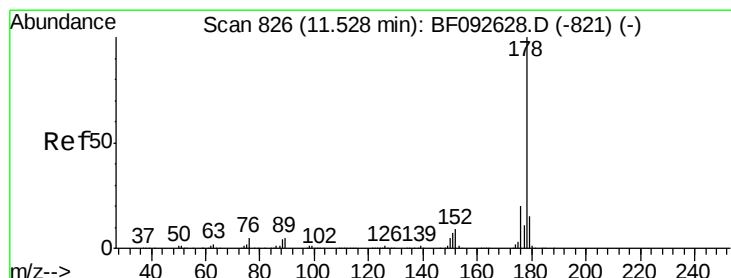
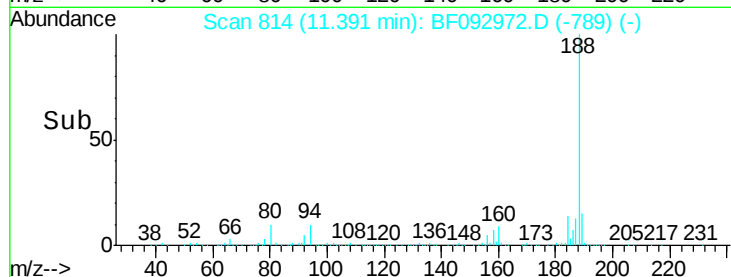
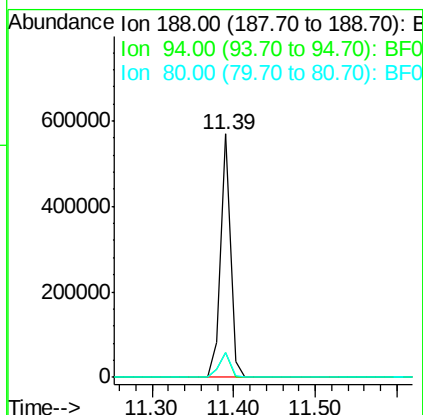
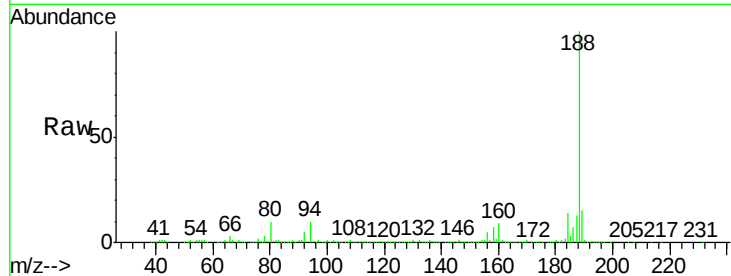
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	476826		
94	9.9	10.0	15.0#	
80	10.3	11.2	16.8#	

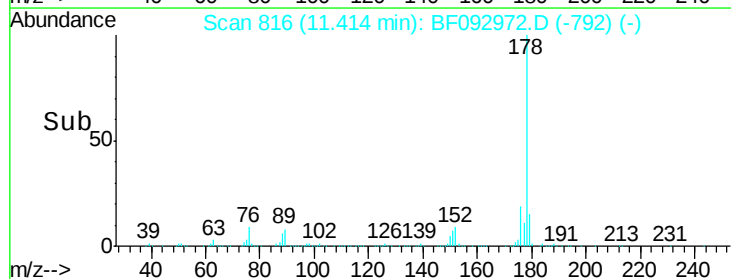
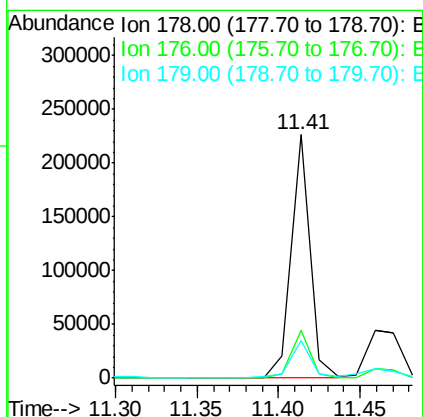
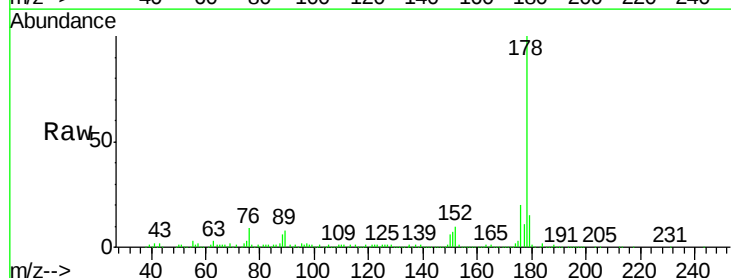
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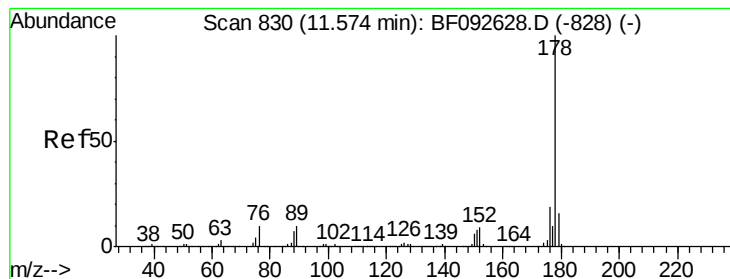
mohammad
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#70
Phenanthrene
Concen: 6.65 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	181672		
176	19.5	16.6	25.0	
179	15.3	12.8	19.2	





#71

Anthracene

Concen: 2.40 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Instrument :

BNA_F

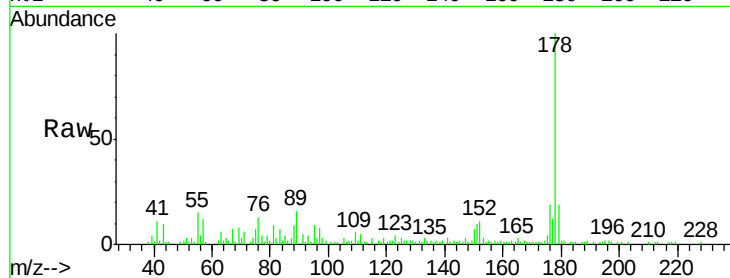
ClientSampleId :

TP1-2-COMP14

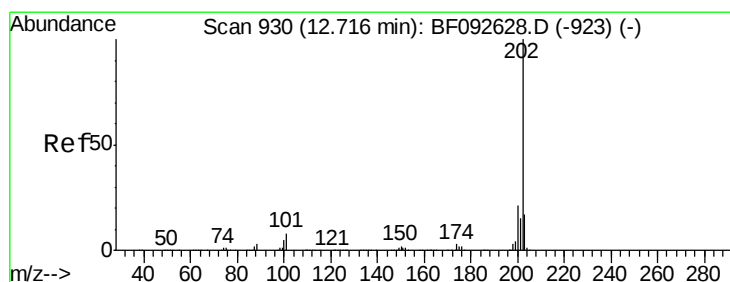
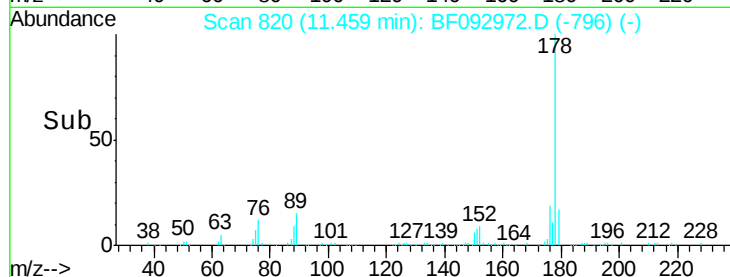
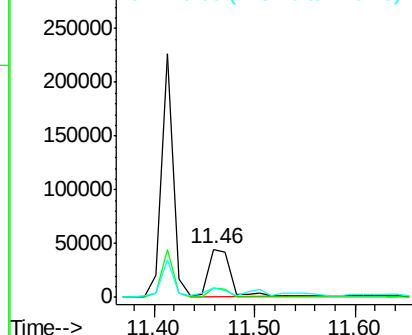
Tgt Ion:	178	Resp:	65882
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	18.9	13.2	19.8

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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: 10.23 ng

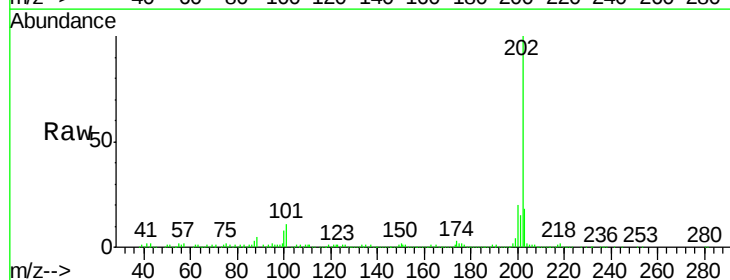
RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

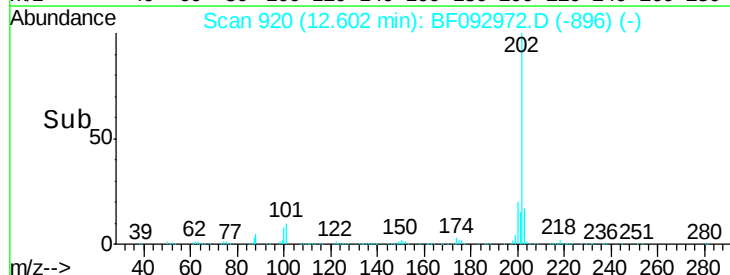
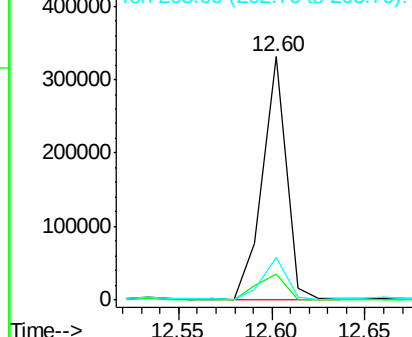
Lab File: BF092972.D

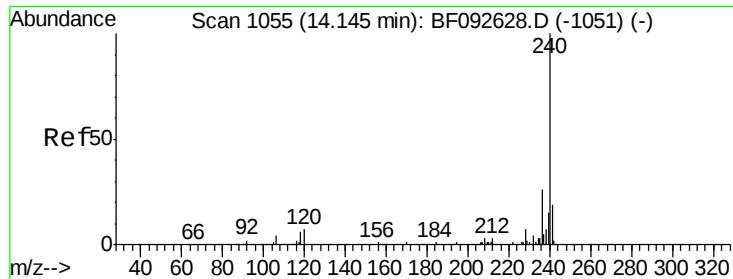
Acq: 16 Feb 2017 00:59

Tgt Ion:	202	Resp:	288144
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	34.6
203	17.7	0.0	38.7



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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Instrument :

BNA_F

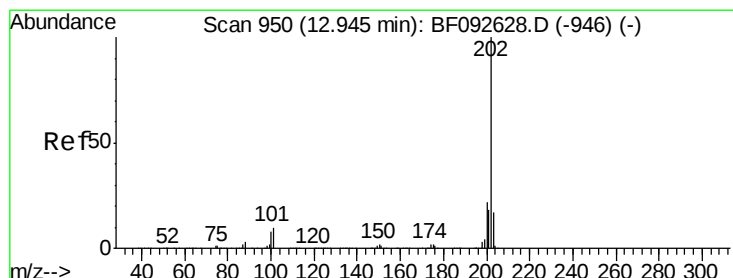
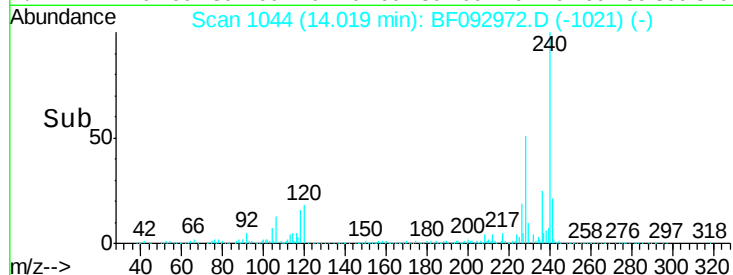
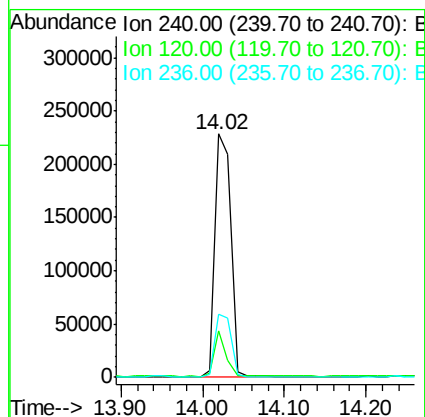
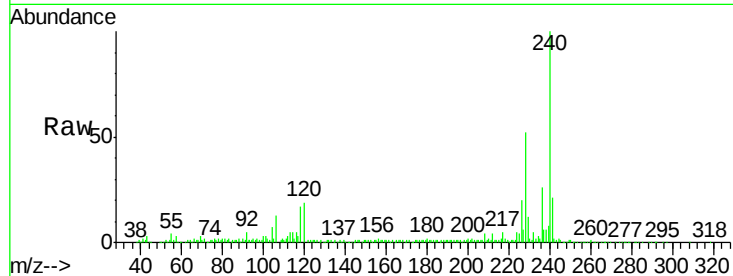
ClientSampleId :

TP1-2-COMP14

Tgt Ion:	240	Resp:	310694
Ion Ratio	Lower	Upper	
240	100		
120	18.9	12.9	19.3
236	25.8	20.9	31.3

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#77

Pyrene

Concen: 14.71 ng

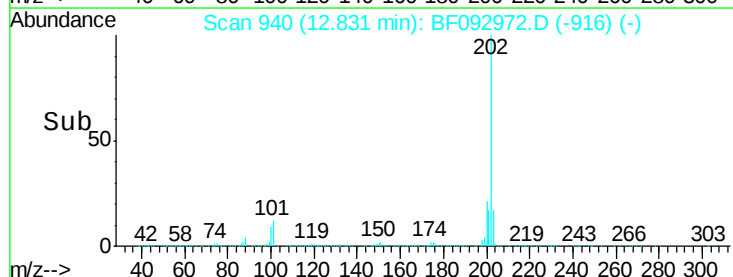
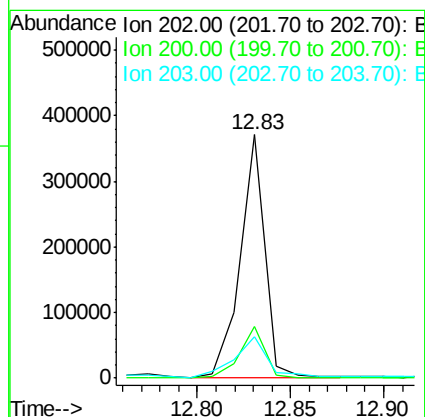
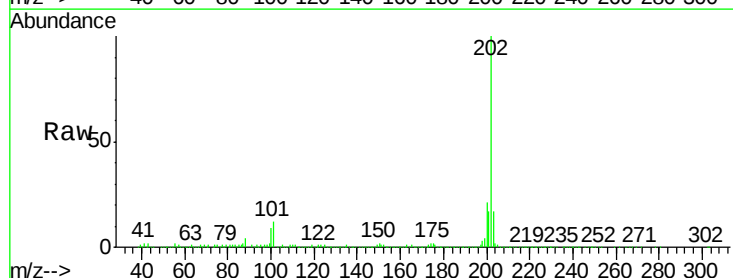
RT: 12.83 min Scan# 940

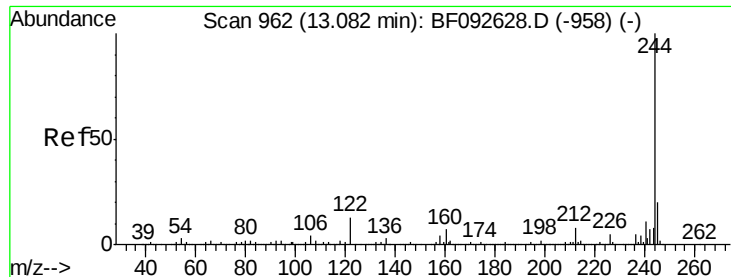
Delta R.T. -0.02 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Tgt Ion:	202	Resp:	341973
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.1	14.7	22.1





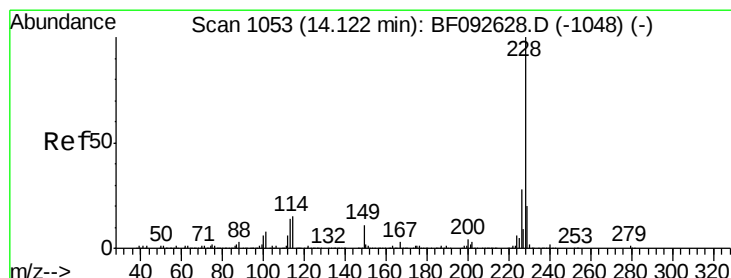
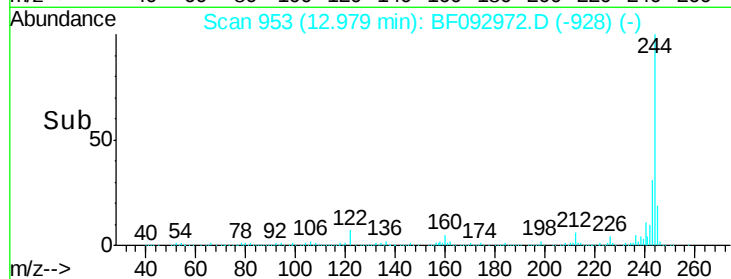
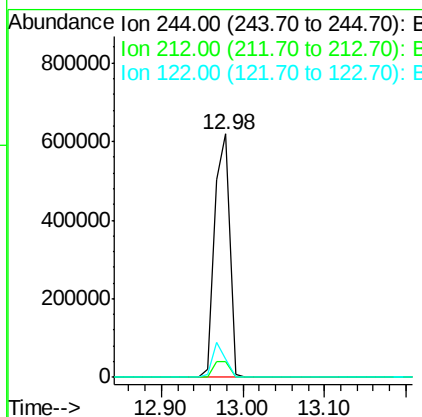
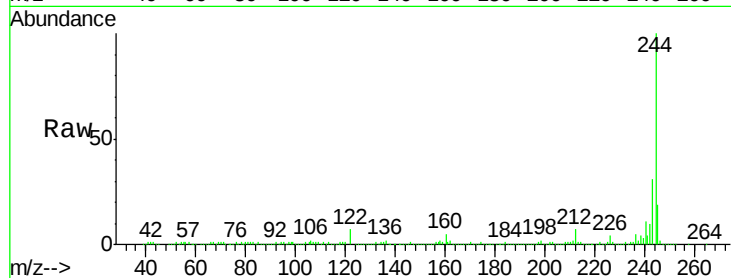
#78
 Terphenyl-d14
 Concen: 60.08 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF092972.D
 Acq: 16 Feb 2017 00:59

Instrument :
 BNA_F
 ClientSampleId :
 TP1-2-COMP14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.2	9.2
122	7.3	11.4	17.2#

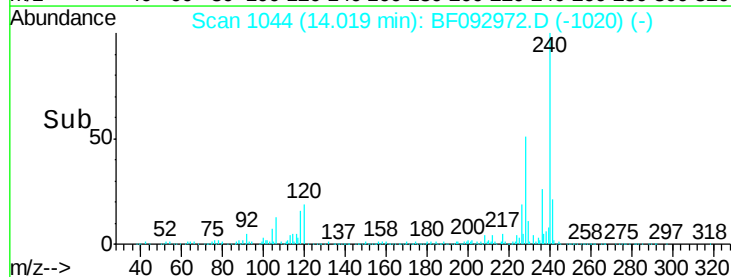
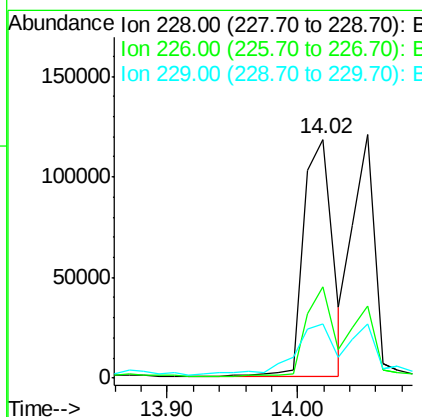
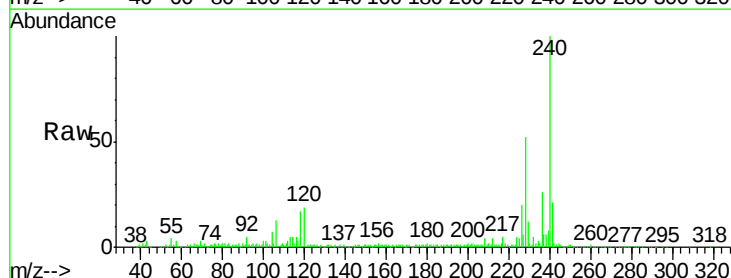
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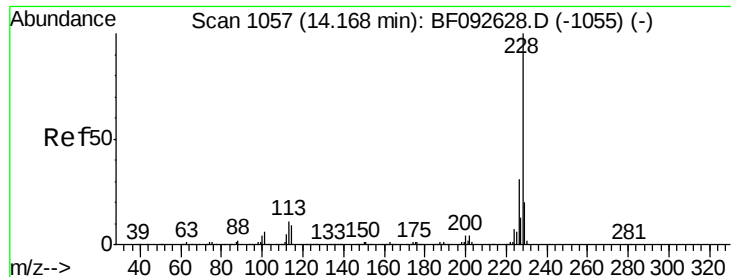
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#80
 Benzo(a)anthracene
 Concen: 9.46 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.02 min
 Lab File: BF092972.D
 Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.0	22.4	33.6#
229	22.6	16.2	24.4





#82

Chrysene

Concen: 8.24 ng m

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Instrument :

BNA_F

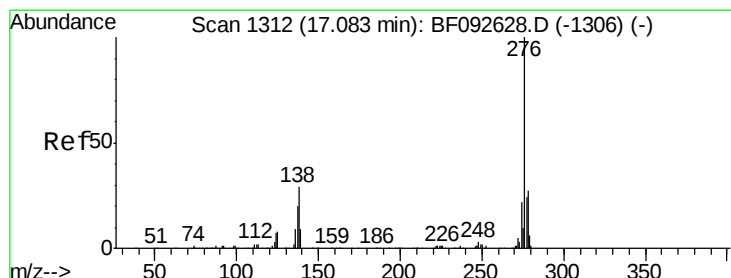
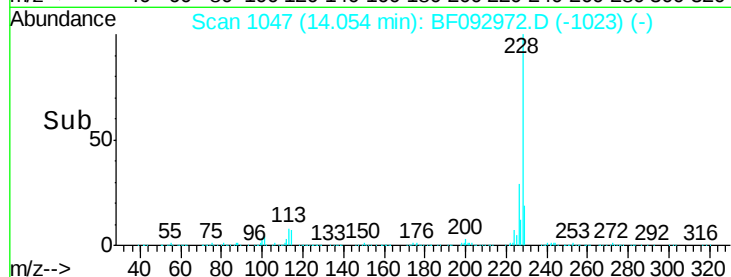
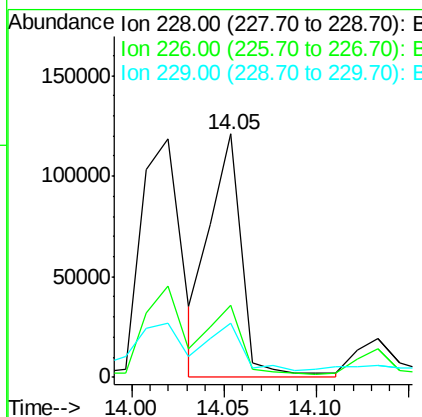
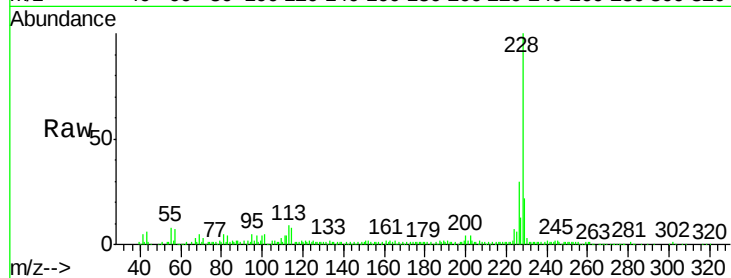
ClientSampleId :

TP1-2-COMP14

Tgt Ion:	228	Resp:	146615
Ion Ratio		Lower	Upper
228	100		
226	29.9	25.4	38.0
229	22.5	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.65 ng

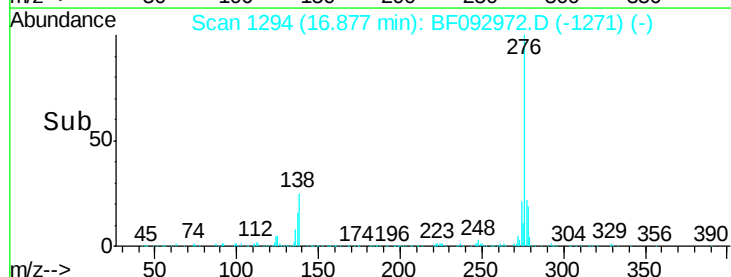
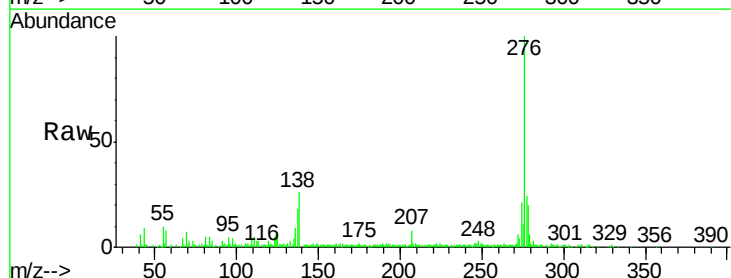
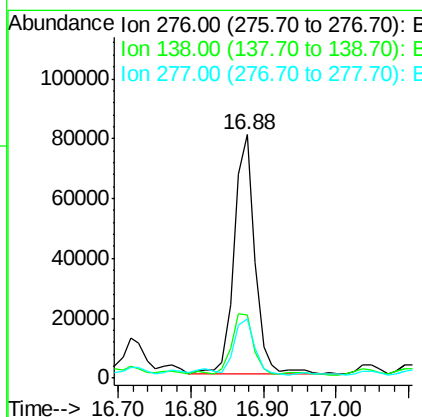
RT: 16.88 min Scan# 1294

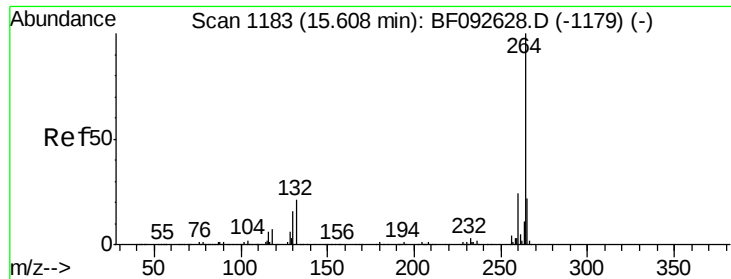
Delta R.T. -0.03 min

Lab File: BF092972.D

Acq: 16 Feb 2017 00:59

Tgt Ion:	276	Resp:	160566
Ion Ratio		Lower	Upper
276	100		
138	26.3	21.8	32.6
277	25.0	20.2	30.4





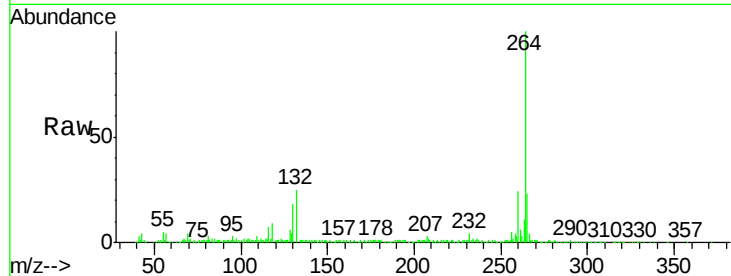
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

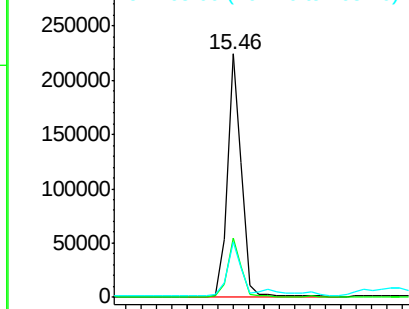
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.8	17.4	26.0

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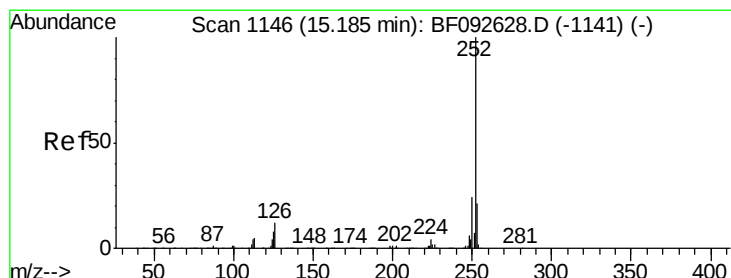
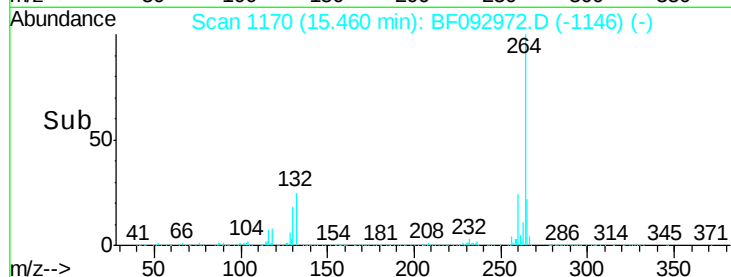
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



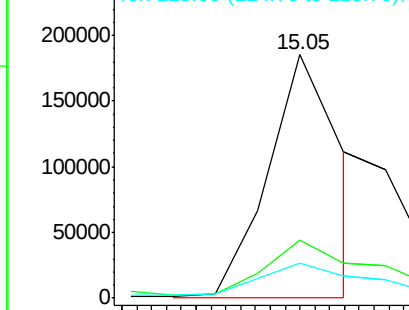
Time-->



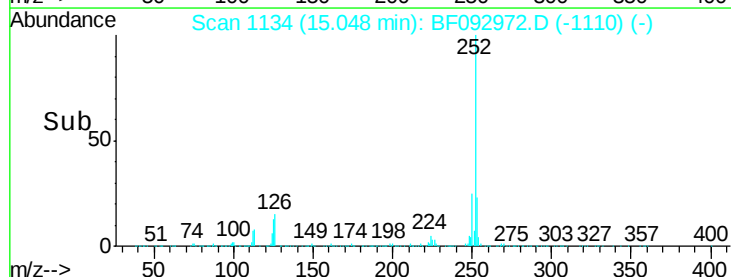
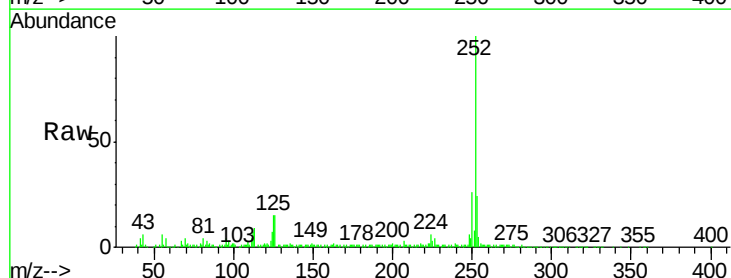
#87
Benzo(b)fluoranthene
Concen: 13.10 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

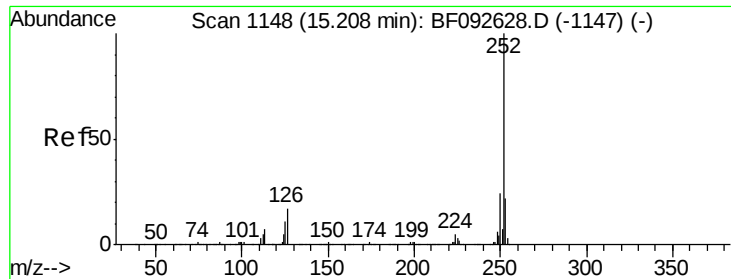
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	14.6	9.8	14.6

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



Time-->





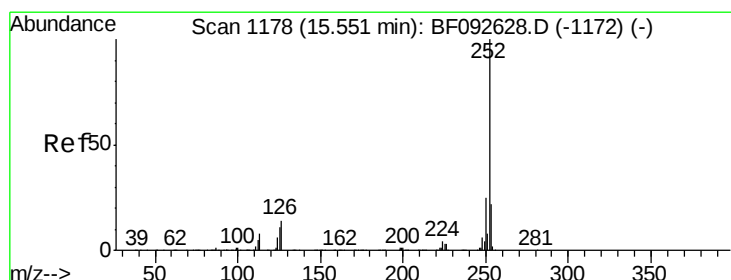
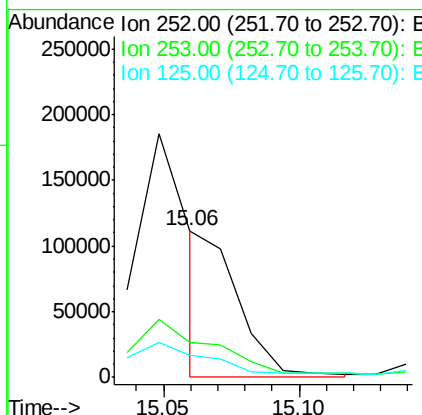
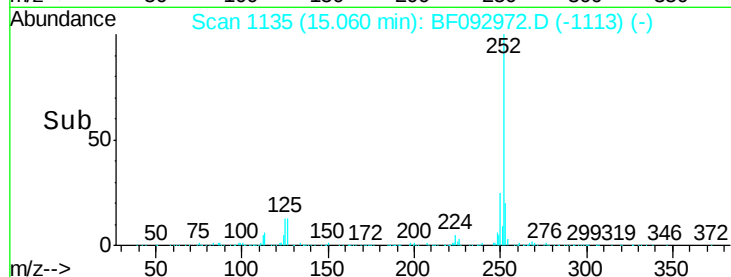
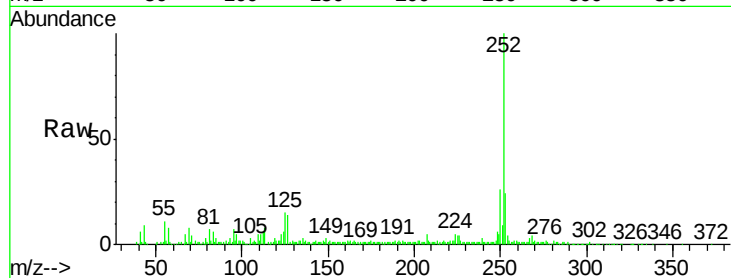
#88
Benzo(k)fluoranthene
Concen: 5.85 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	15.0	8.9	13.3

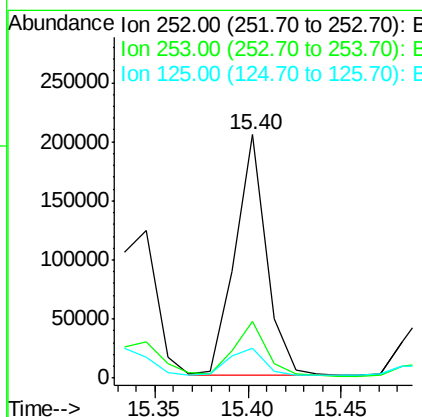
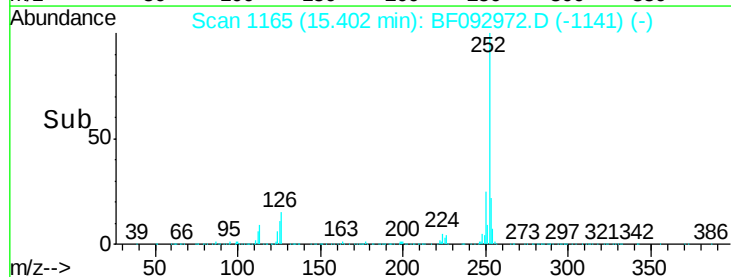
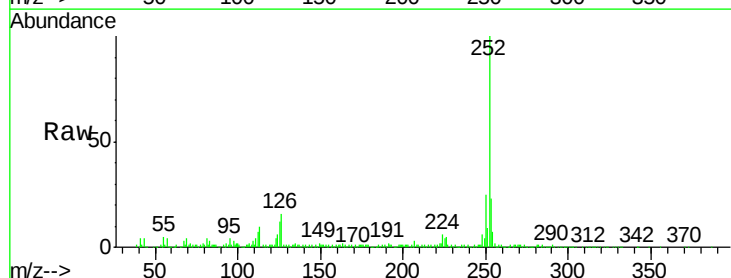
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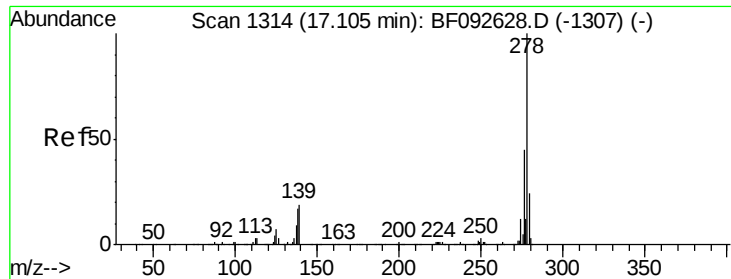
mohammad
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#89
Benzo(a)pyrene
Concen: 14.39 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.3	10.0	15.0





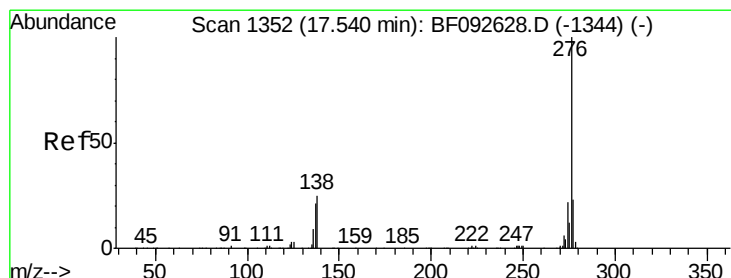
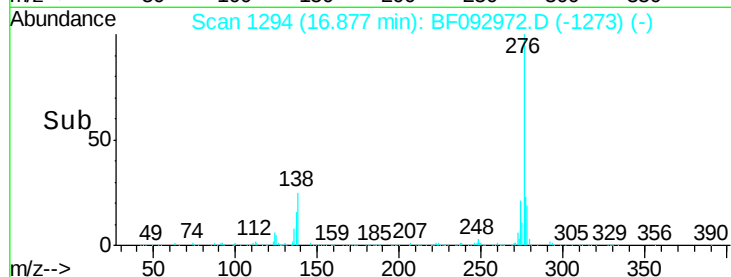
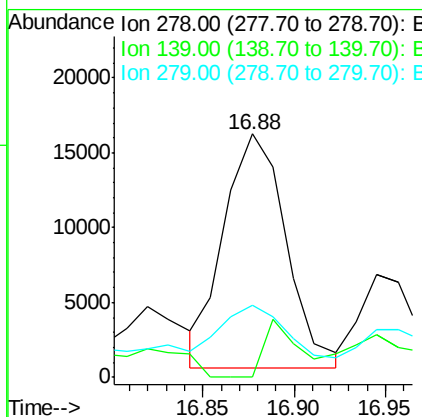
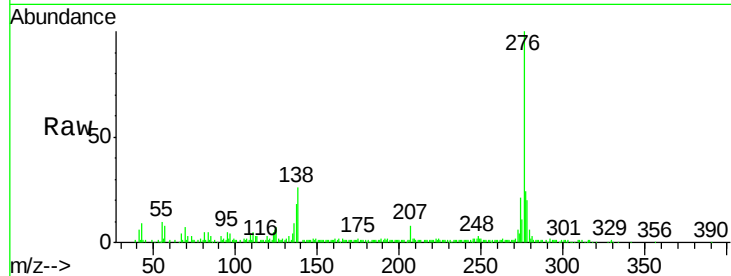
#90
Dibenzo(a,h)anthracene
Concen: 2.77 ng m
RT: 16.88 min Scan# 1294
Delta R.T. -0.06 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Instrument :
BNA_F
ClientSampleId :
TP1-2-COMP14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	29.8	19.8	29.6#

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#91
Benzo(g,h,i)perylene
Concen: 13.29 ng
RT: 17.30 min Scan# 1331
Delta R.T. -0.05 min
Lab File: BF092972.D
Acq: 16 Feb 2017 00:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	27.6	16.0	24.0#

