

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092530.D
 Acq On : 26 Jan 2017 17:18
 Operator : SJ/MA
 Sample : I1312-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-BALLARD01-0-2

Manual Integrations
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mohammad
 1/27/2017 3:02:58 PM

Quant Time: Jan 27 01:10:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	134471	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	503629	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	216462	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	354272	20.00	ng	0.00
75) Chrysene-d12	14.17	240	243554	20.00	ng	0.00
86) Perylene-d12	15.67	264	168123	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	378391	43.78	ng	0.01
7) Phenol-d6	6.59	99	456367	41.45	ng	0.00
23) Nitrobenzene-d5	7.54	82	238392	25.86	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	58255	39.49	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	430948	36.81	ng	0.00
78) Terphenyl-d14	13.11	244	346660	37.90	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.99	142	48888	3.00	ng	96
49) Dimethylphthalate	9.74	163	84716	6.15	ng	# 97
57) Fluorene	10.58	166	26170	2.23	ng	# 98
70) Phenanthrene	11.55	178	267839	13.73	ng	98
71) Anthracene	11.60	178	77698	4.08	ng	99
74) Fluoranthene	12.74	202	269082	14.10	ng	96
77) Pyrene	12.97	202	229765	13.02	ng	99
79) Butylbenzylphthalate	13.59	149	20139m	2.82	ng	
80) Benzo(a)anthracene	14.16	228	76879m	5.87	ng	
82) Chrysene	14.19	228	80126m	5.73	ng	
83) Bis(2-ethylhexyl)phthalate	14.15	149	69157	7.68	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.16	276	26801	2.59	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	73931m	6.85	ng	
88) Benzo(k)fluoranthene	15.25	252	20756m	2.31	ng	
89) Benzo(a)pyrene	15.60	252	41146	4.51	ng	# 57
91) Benzo(g,h,i)perylene	17.62	276	24680	3.31	ng	# 61

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

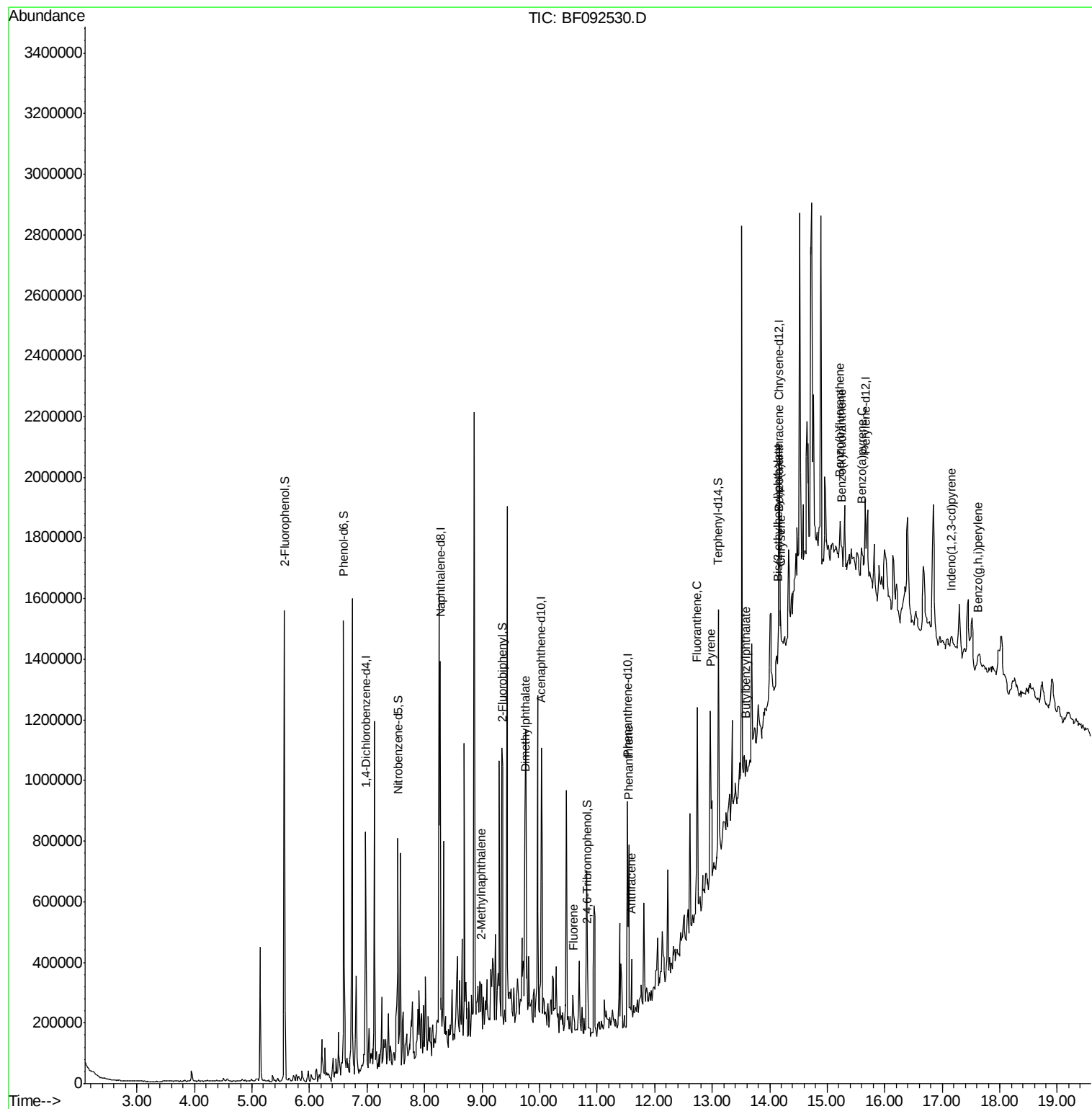
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
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ALS Vial : 21 Sample Multiplier: 1

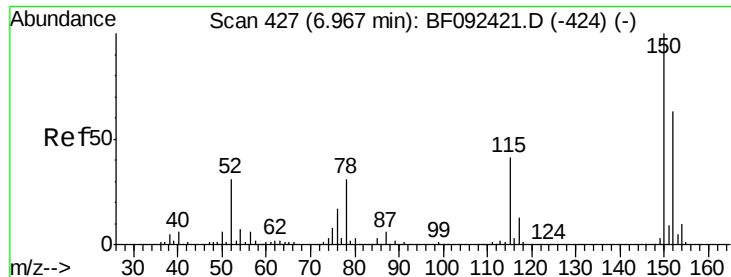
Instrument :
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Quant Time: Jan 27 01:10:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
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#1

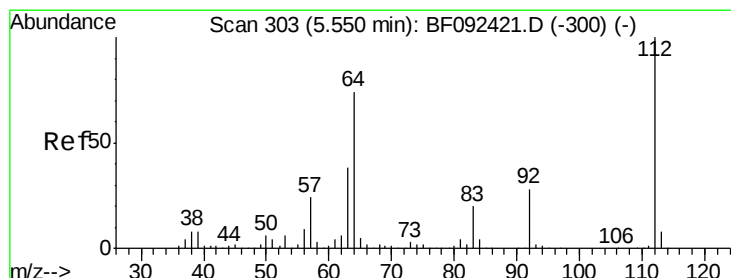
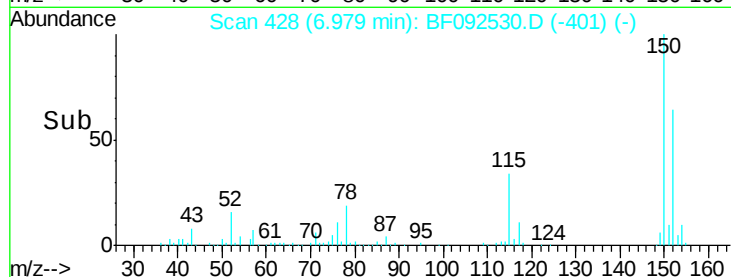
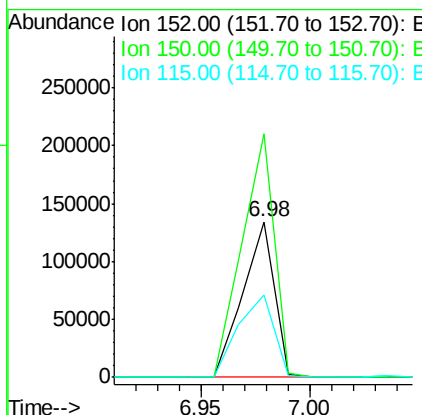
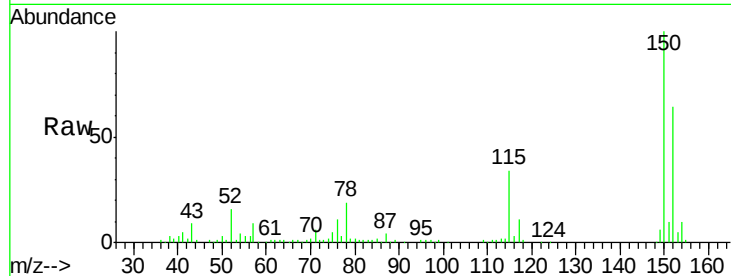
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.9	187.3
115	52.6	46.0	69.0

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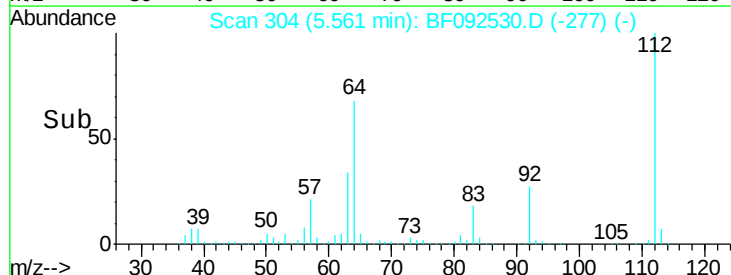
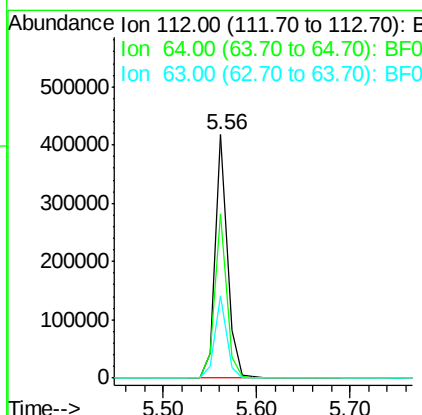
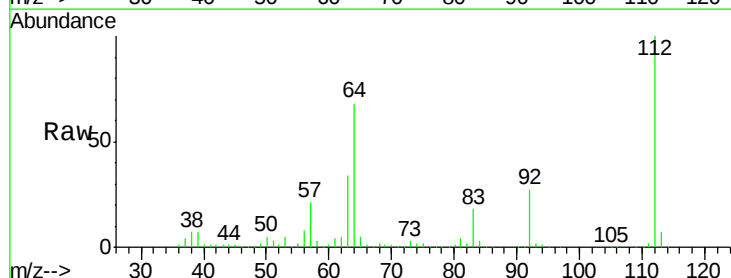
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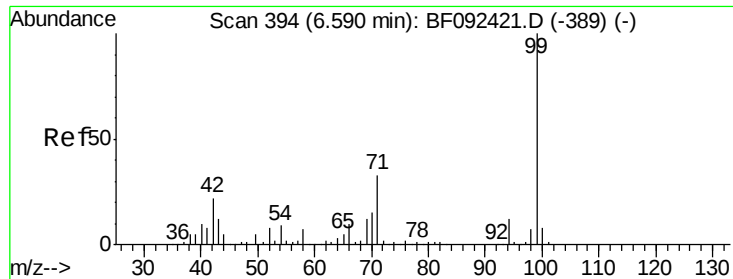


#5

2-Fluorophenol
Concen: 43.78 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.1	69.1
63	33.8	23.8	35.6





#7

Phenol-d6

Concen: 41.45 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

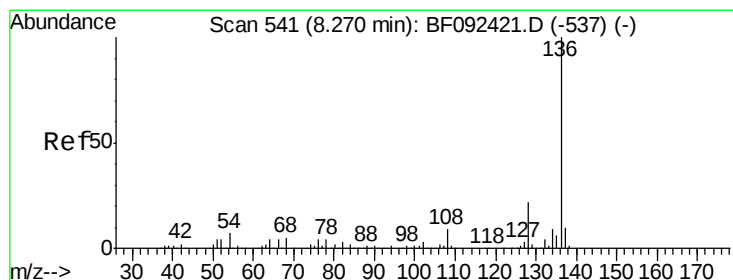
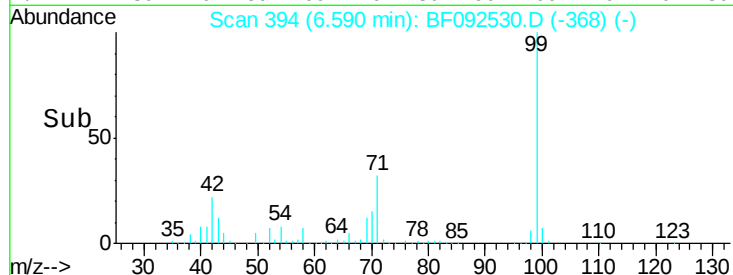
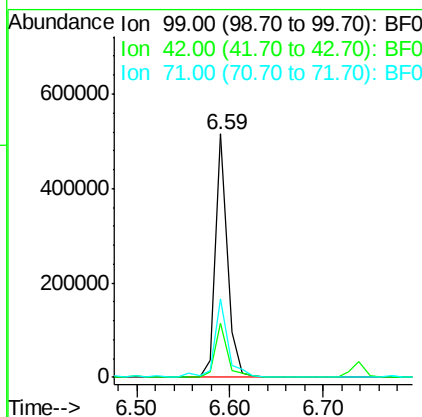
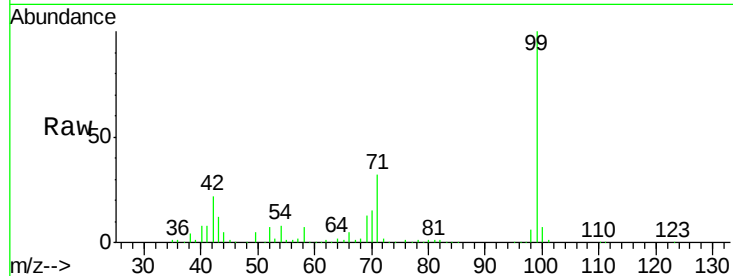
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:	99	Resp:	456367
Ion Ratio	Lower	Upper	
99	100		
42	22.4	15.6	23.4
71	32.1	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

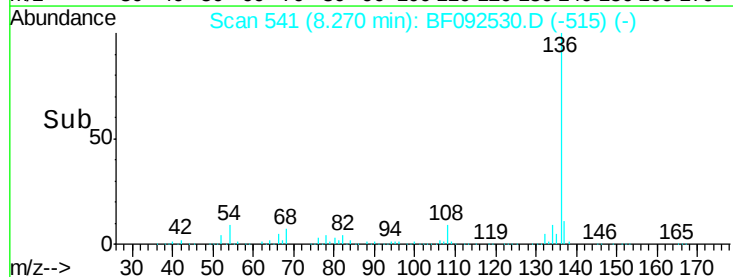
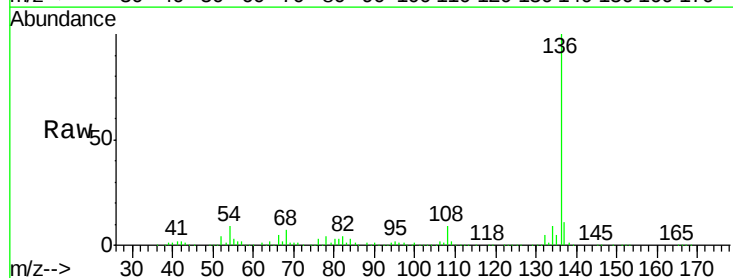
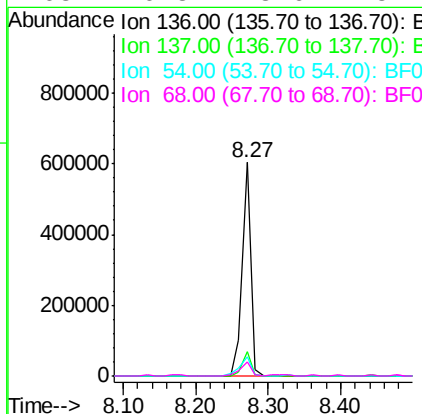
RT: 8.27 min Scan# 541

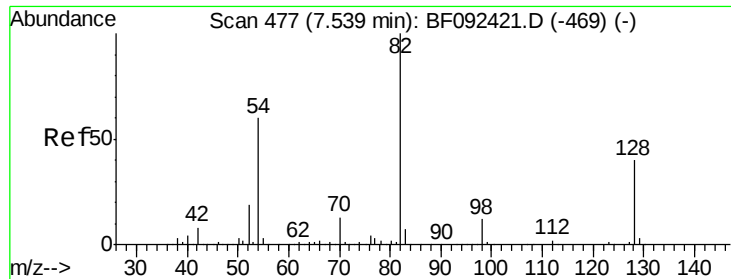
Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion:	136	Resp:	503629
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.4	12.6
54	9.3	4.5	6.7#
68	6.8	3.6	5.4#





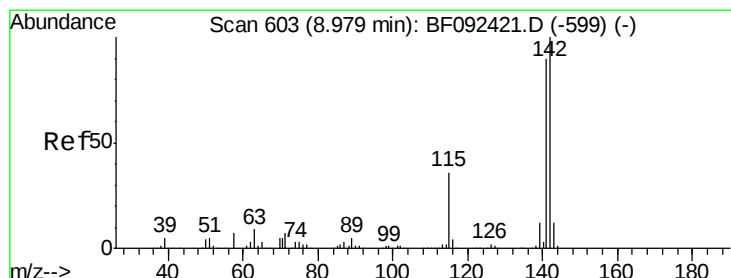
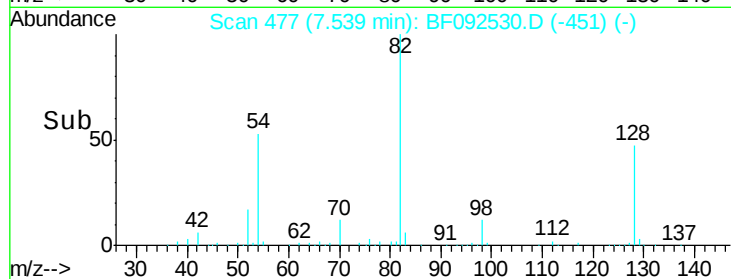
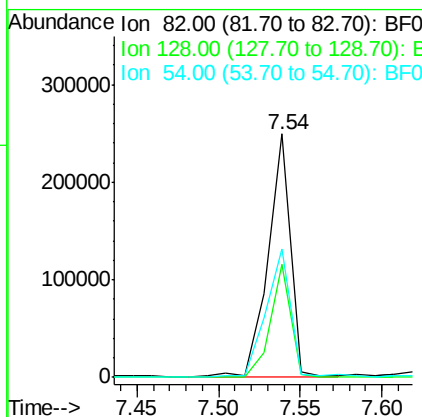
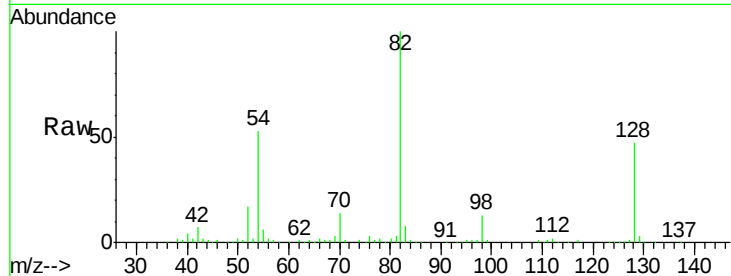
#23
Nitrobenzene-d5
Concen: 25.86 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	238392		
128	46.5	34.6	52.0	
54	53.0	39.5	59.3	

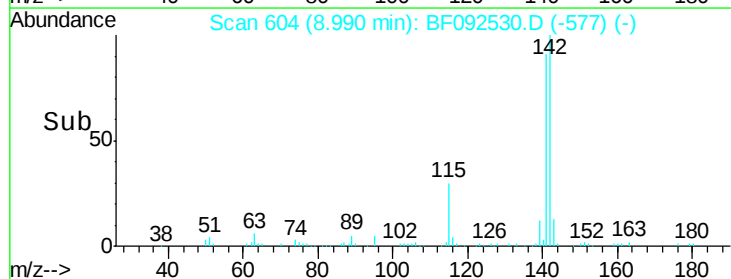
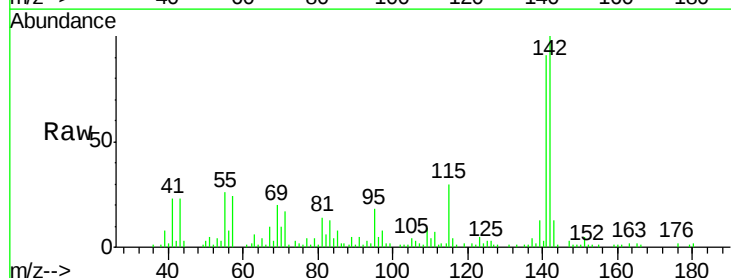
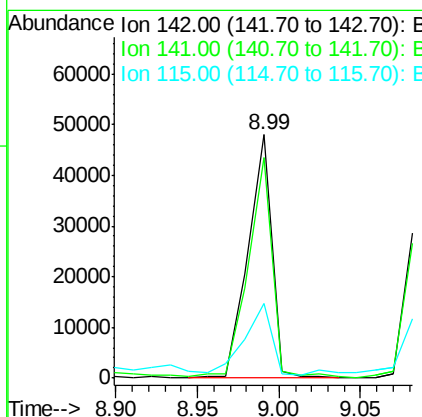
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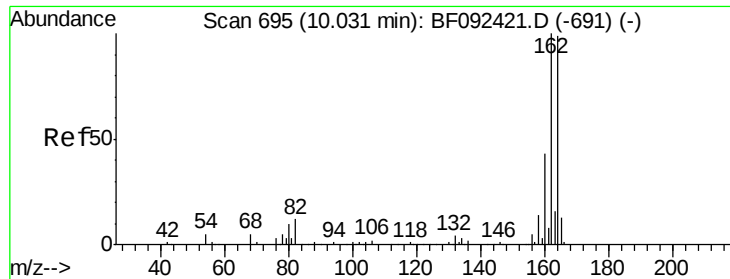
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#37
2-Methylnaphthalene
Concen: 3.00 ng
RT: 8.99 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	48888		
141	90.5	71.0	106.6	
115	30.5	28.3	42.5	





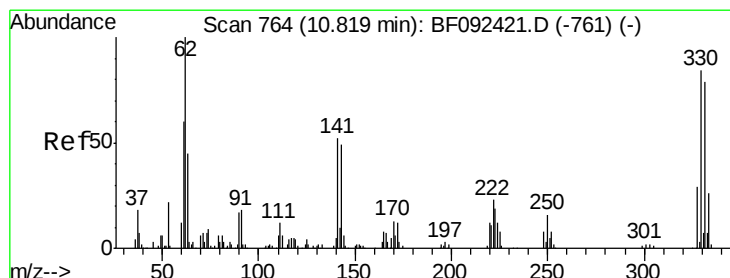
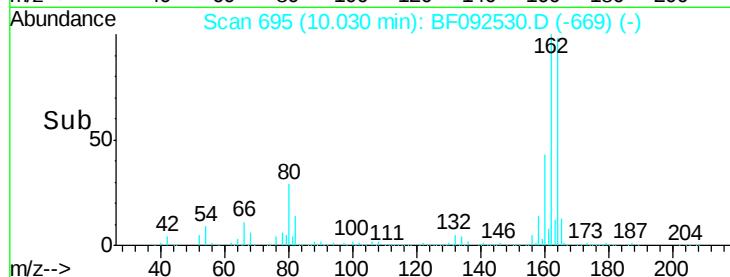
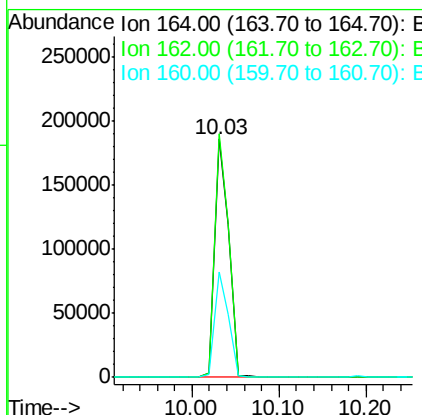
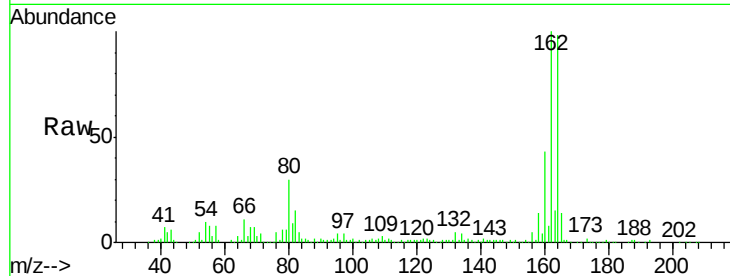
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	80.2	120.2	
160	44.3	36.9	55.3	

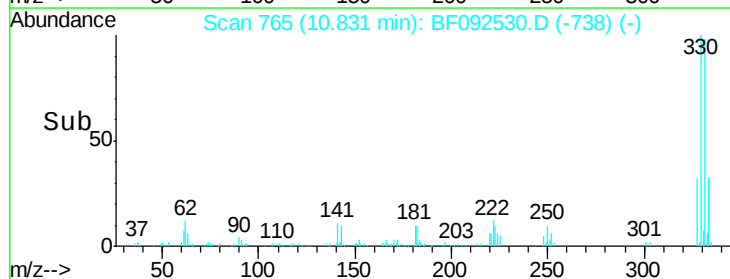
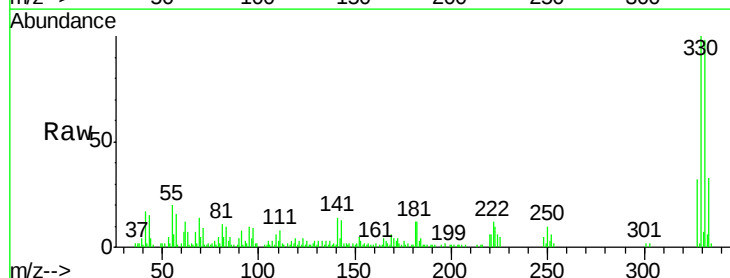
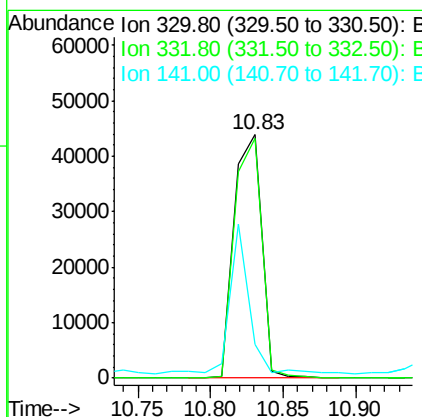
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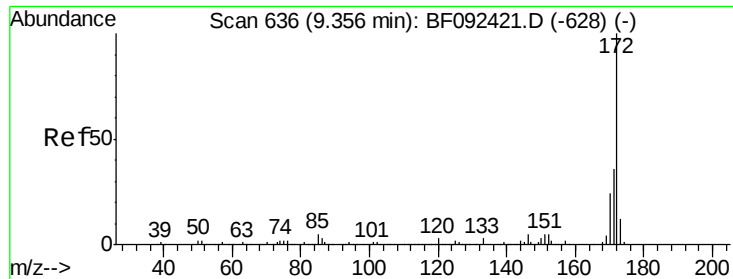
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#41
2,4,6-Tribromophenol
Concen: 39.49 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	77.4	116.2	
141	43.4	34.1	51.1	





#44

2-Fluorobiphenyl

Concen: 36.81 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

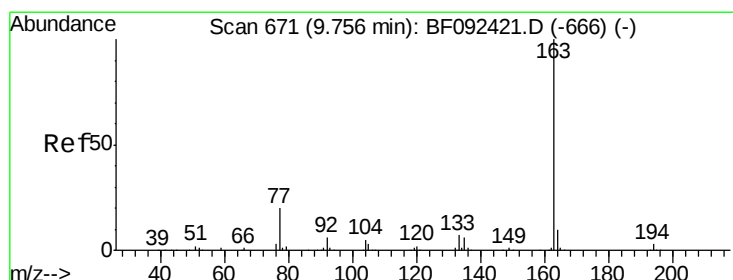
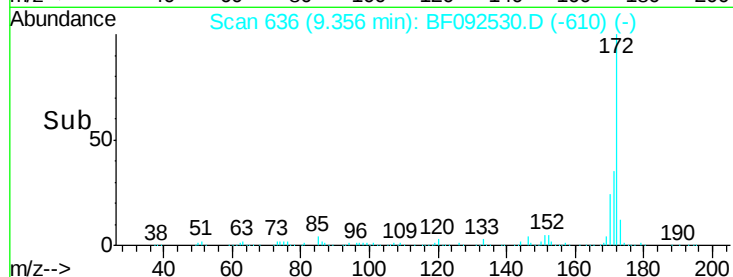
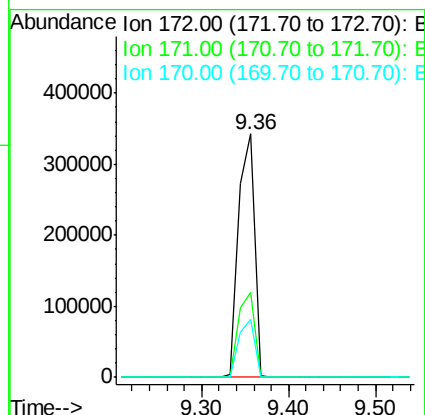
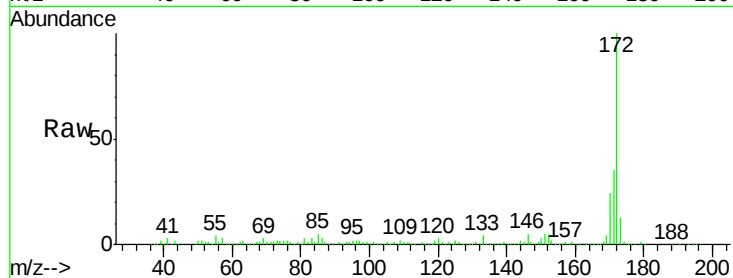
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:	172	Resp:	430948
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.4	44.0
170	23.6	20.2	30.4

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#49

Dimethylphthalate

Concen: 6.15 ng

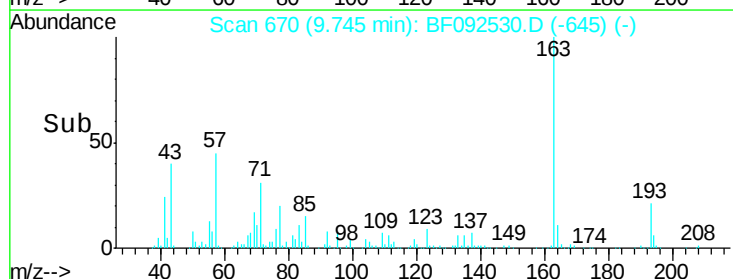
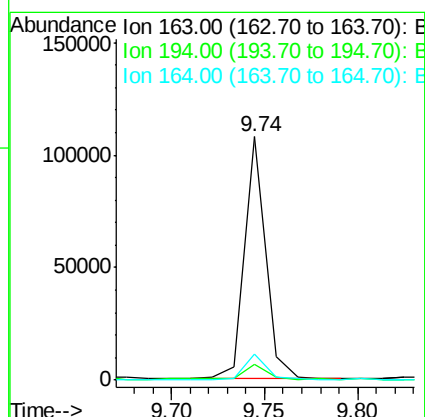
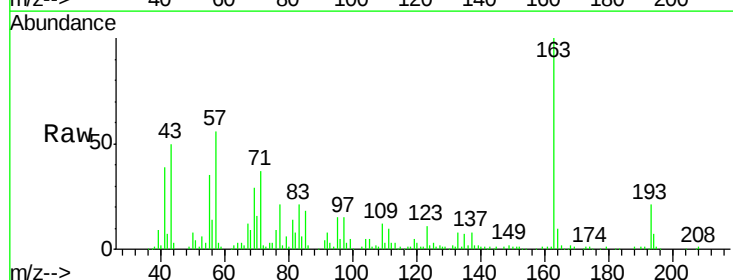
RT: 9.74 min Scan# 670

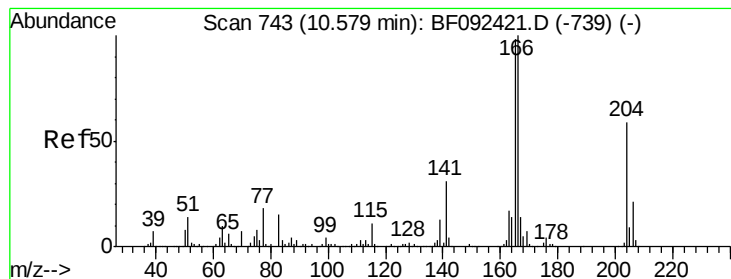
Delta R.T. -0.01 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion:	163	Resp:	84716
Ion Ratio	Lower	Upper	
163	100		
194	6.6	3.0	4.4#
164	10.5	8.0	12.0





#57

Fluorene

Concen: 2.23 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:166 Resp: 26170

Ion Ratio Lower Upper

166 100

165 96.4 77.8 116.8

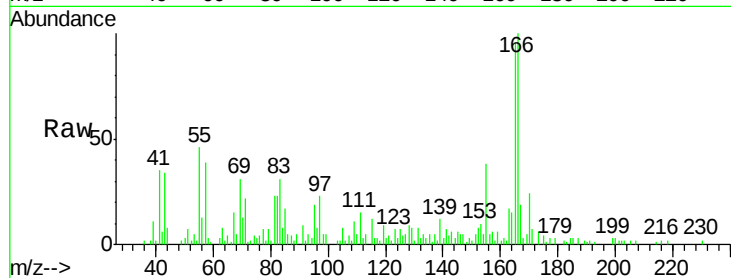
167 18.6 10.8 16.2#

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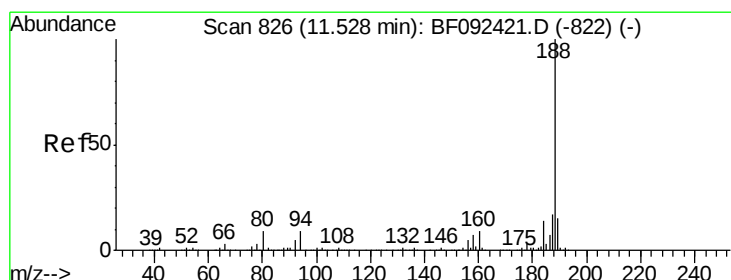
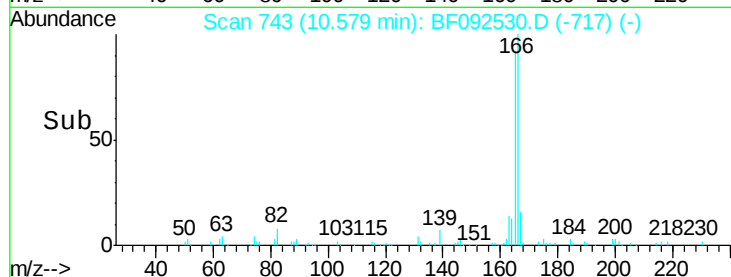
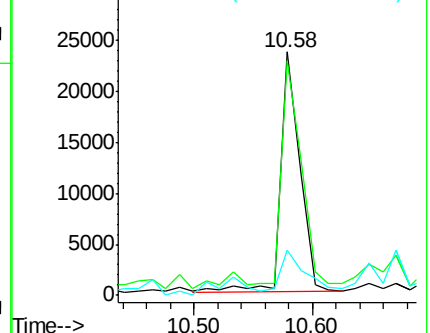
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

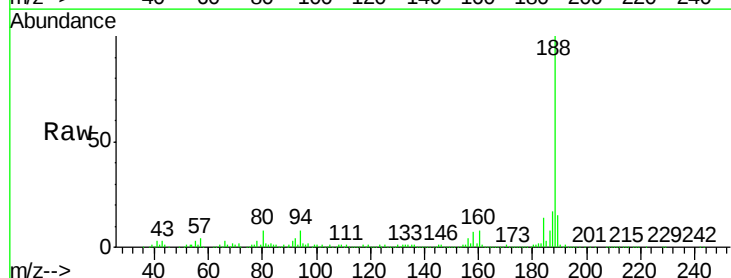
Tgt Ion:188 Resp: 354272

Ion Ratio Lower Upper

188 100

94 7.7 10.0 15.0#

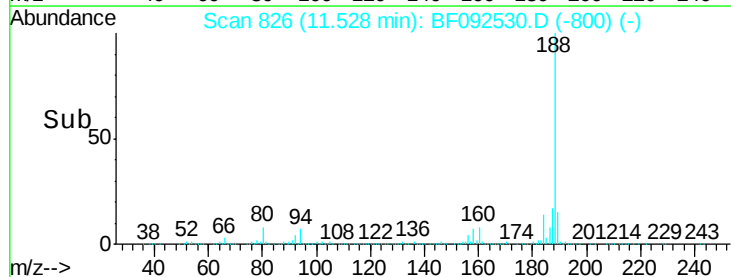
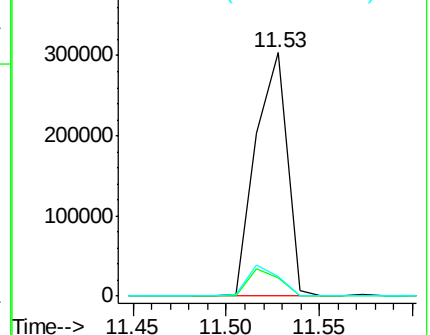
80 7.9 11.2 16.8#

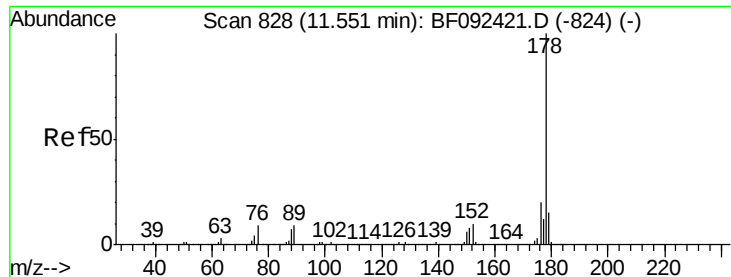


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





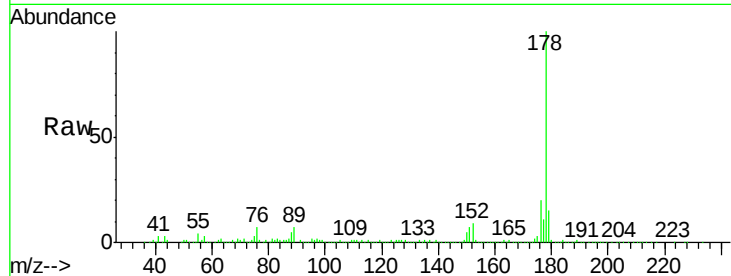
#70
Phenanthrene
Concen: 13.73 ng
RT: 11.55 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

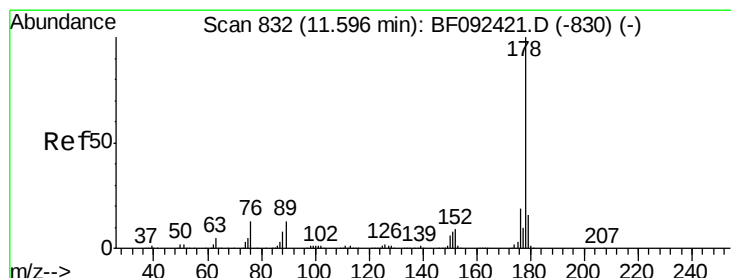
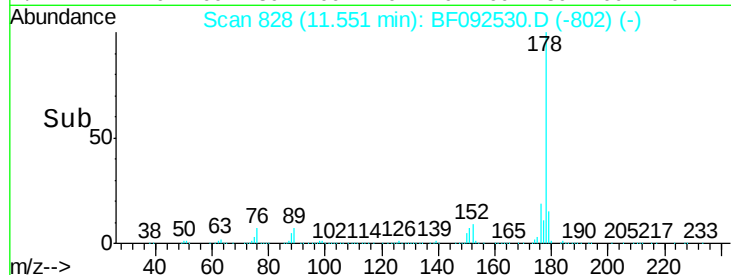
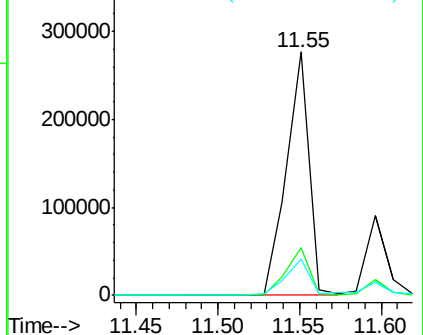
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	25.0
179	15.1	12.8	19.2

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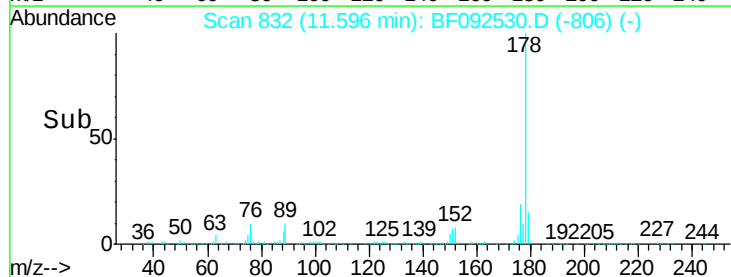
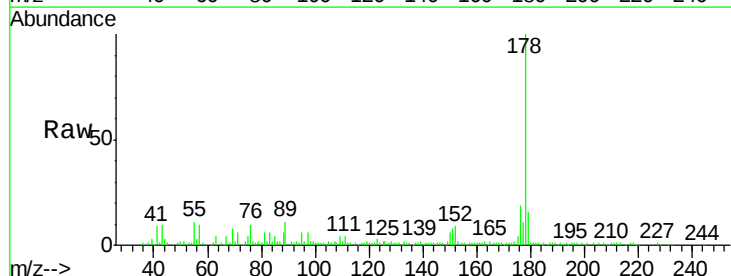
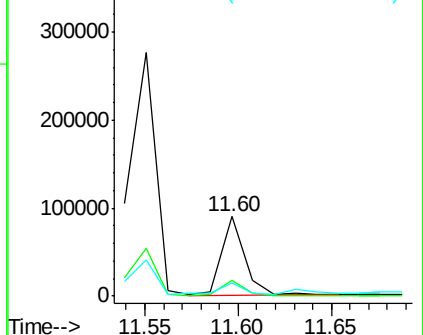
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

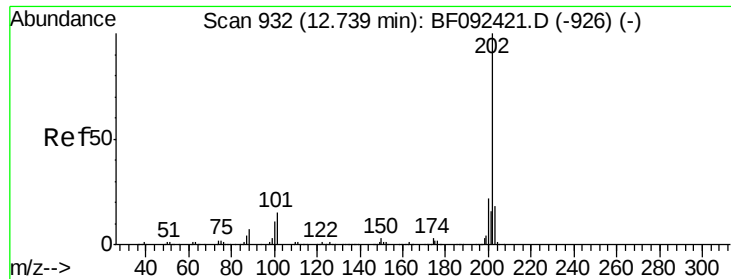


#71
Anthracene
Concen: 4.08 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	16.3	13.2	19.8

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: 14.10 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

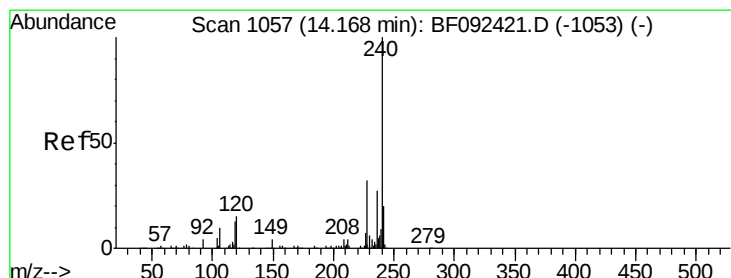
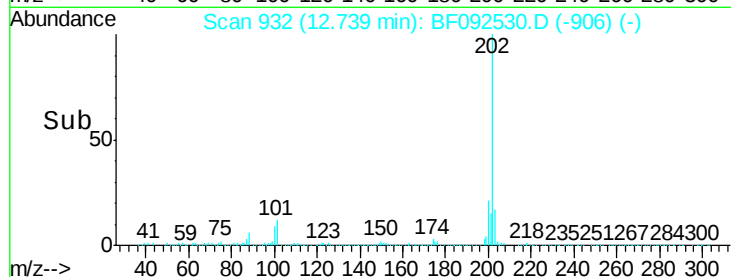
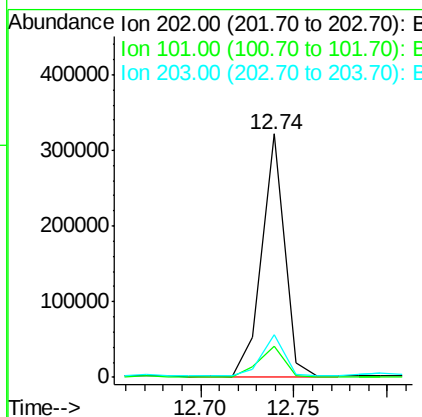
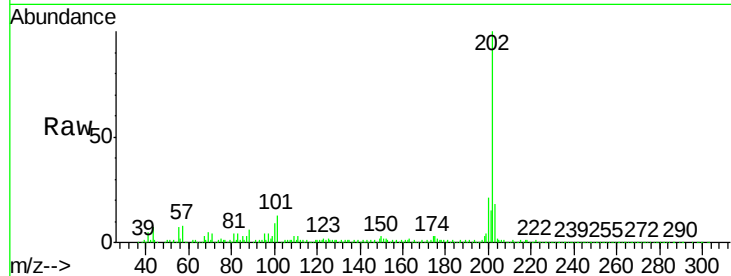
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		269082		
101	12.6	0.0	34.6		
203	17.5	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

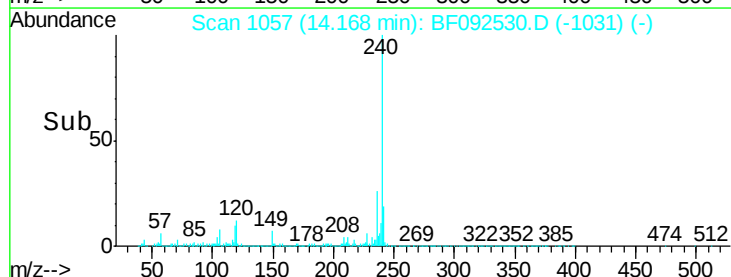
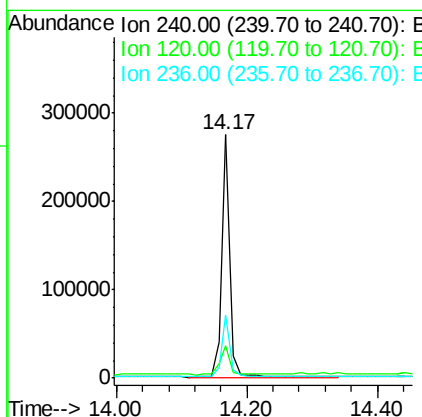
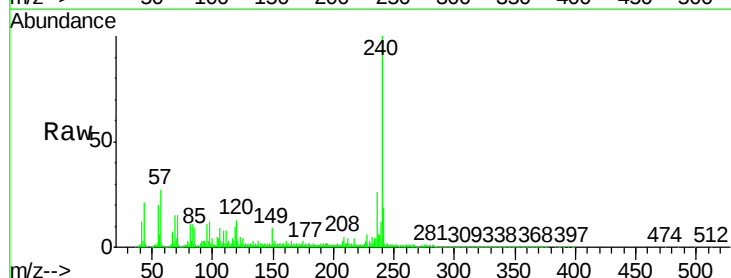
RT: 14.17 min Scan# 1057

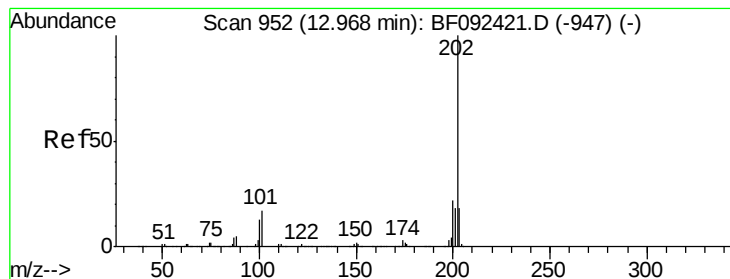
Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		243554		
120	13.1	12.9	19.3		
236	26.1	20.9	31.3		





#77

Pvrene

Concen: 13.02 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

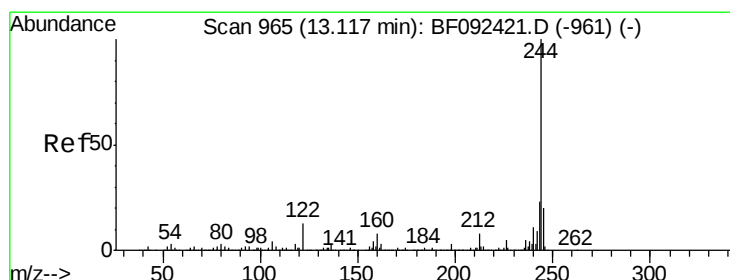
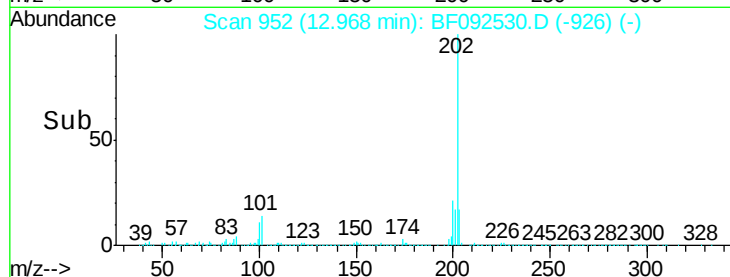
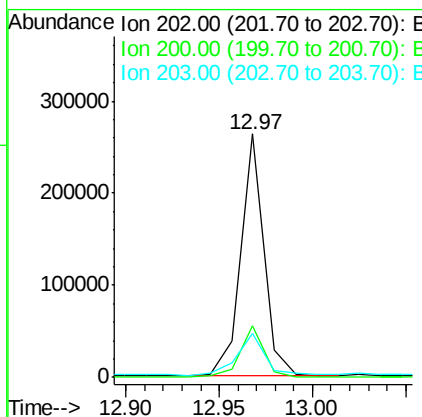
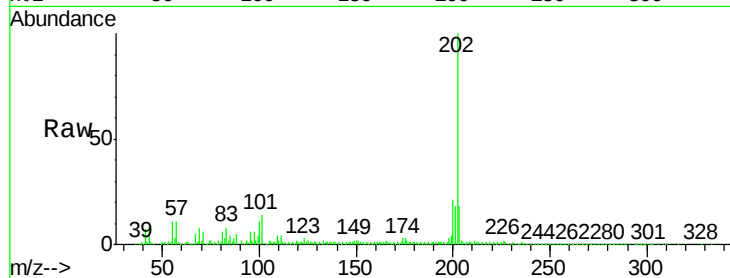
ClientSampled :

CAS-BALLARD01-0-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	229765		
200	21.4		17.7	26.5
203	18.3		14.7	22.1

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#78

Terphenyl-d14

Concen: 37.90 ng

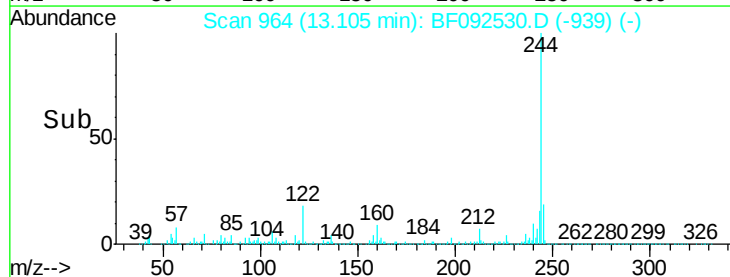
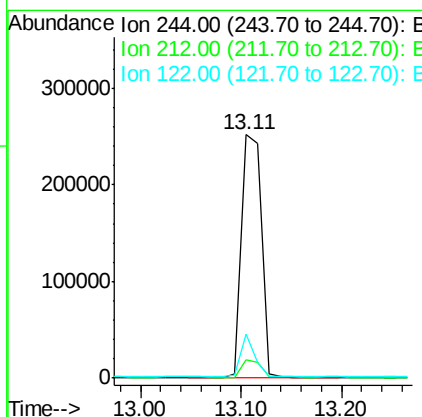
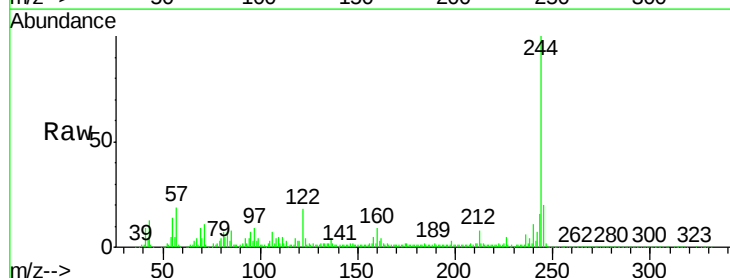
RT: 13.11 min Scan# 964

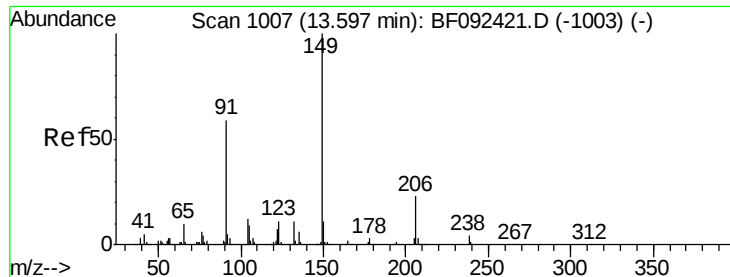
Delta R.T. -0.01 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	346660		
212	7.7		6.2	9.2
122	18.0		11.4	17.2





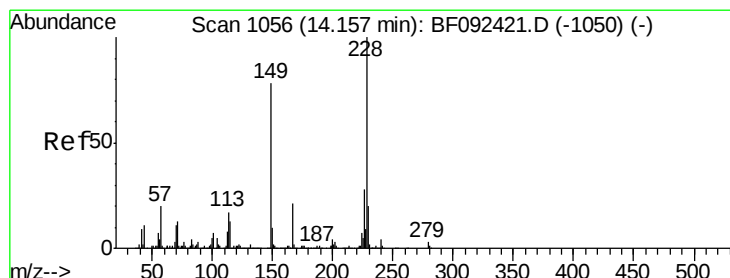
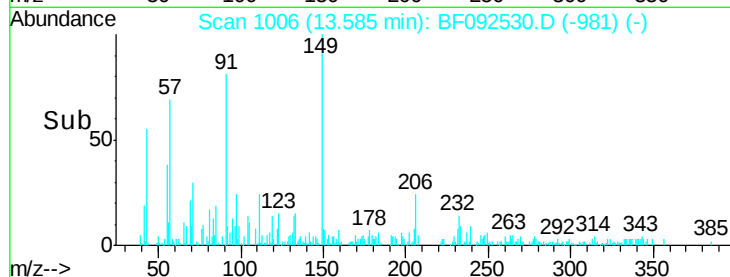
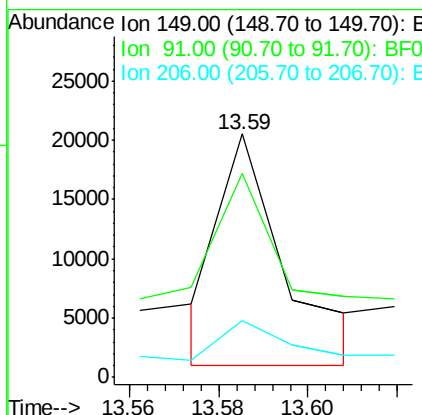
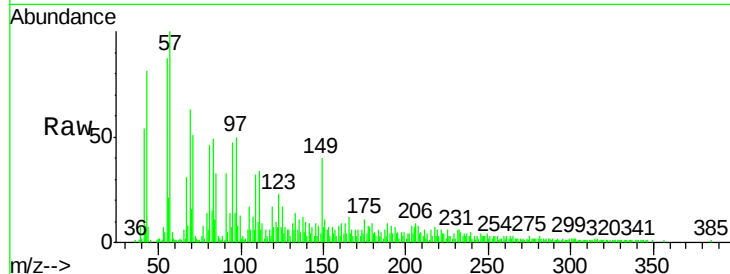
#79
Butylbenzylphthalate
Concen: 2.82 ng/ml
RT: 13.59 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
149	100		
91	83.6	63.9	95.9
206	23.1	14.6	21.8

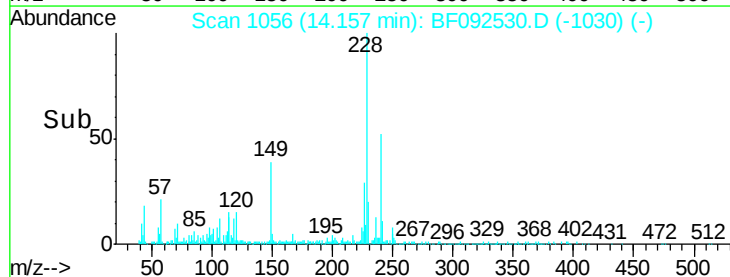
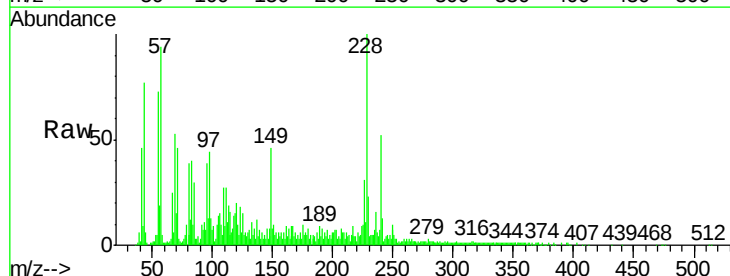
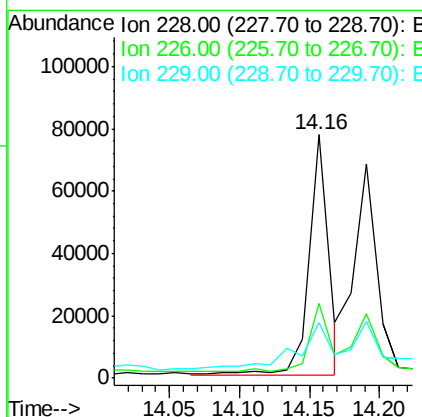
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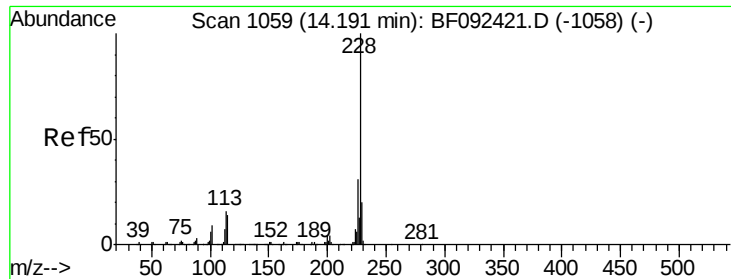
mohammad
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#80
Benzo(a)anthracene
Concen: 5.87 ng/ml
RT: 14.16 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.4	33.6
229	22.7	16.2	24.4





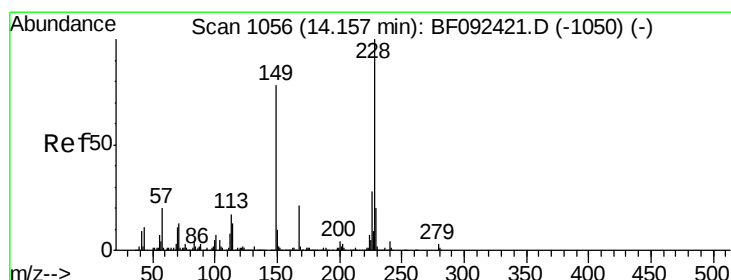
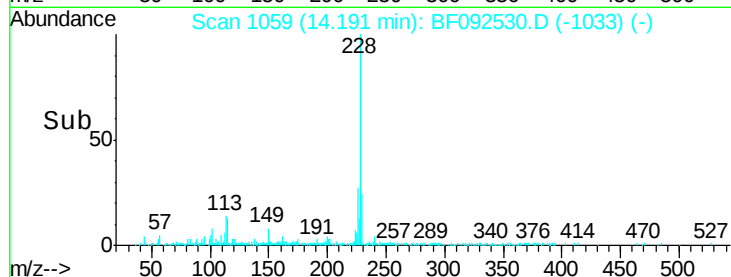
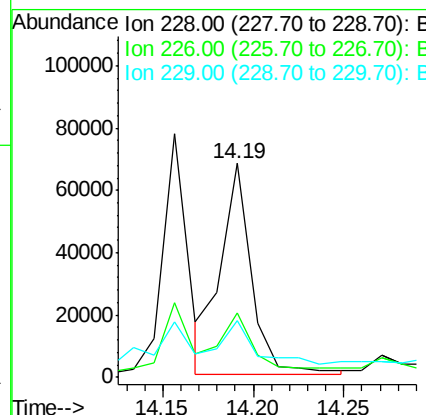
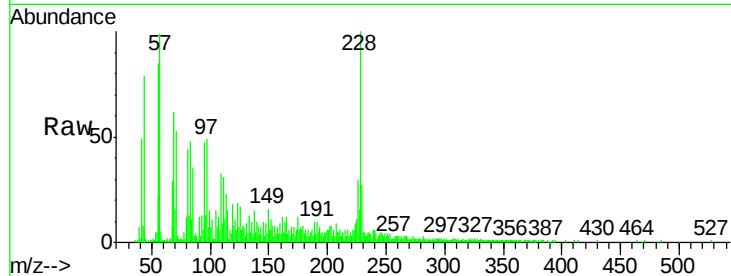
#82
Chrysene
Concen: 5.73 ng/ml
RT: 14.19 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	26.6	16.2	24.2

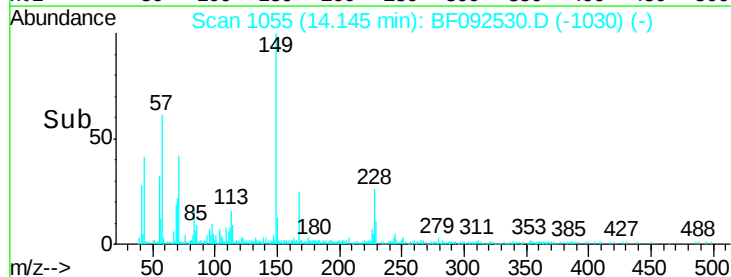
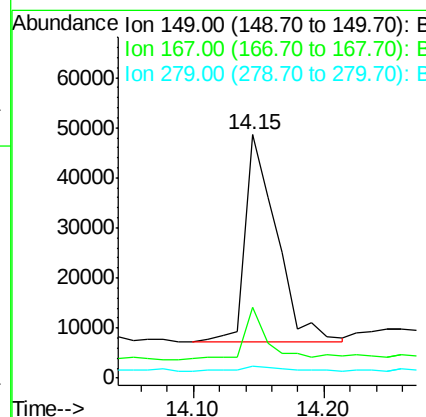
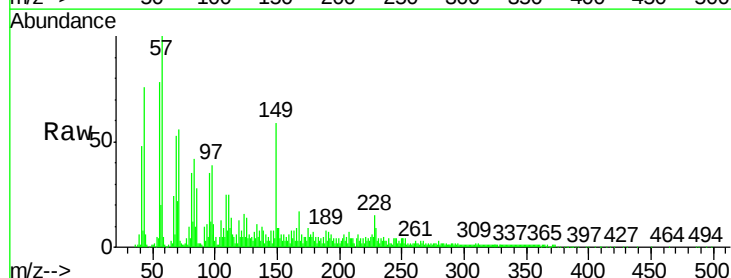
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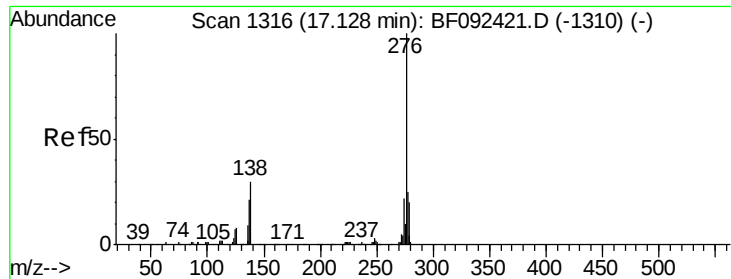
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.68 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	20.2	30.4
279	5.0	1.8	2.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.59 ng

RT: 17.16 min Scan# 1319

Delta R.T. 0.03 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

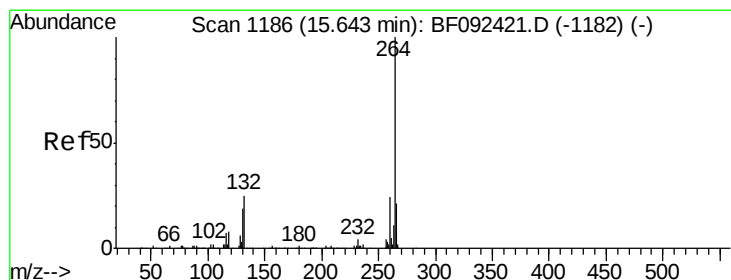
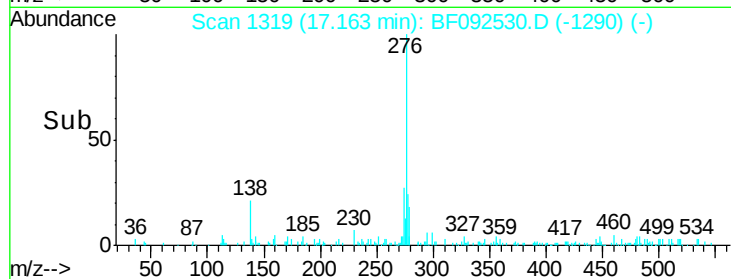
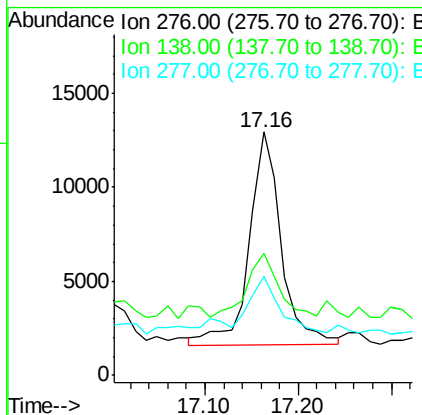
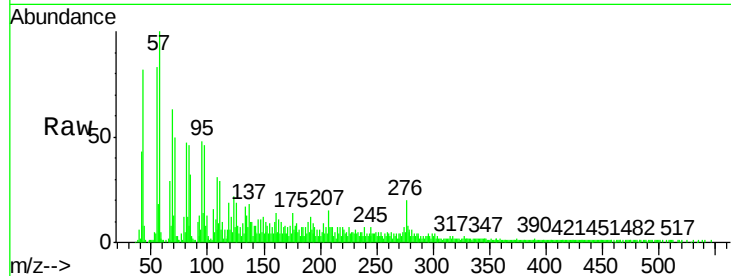
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:	276	Resp:	26801
Ion Ratio	Lower	Upper	
276	100		
138	31.2	21.8	32.6
277	34.9	20.2	30.4#

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#86

Perylene-d12

Concen: 20.00 ng

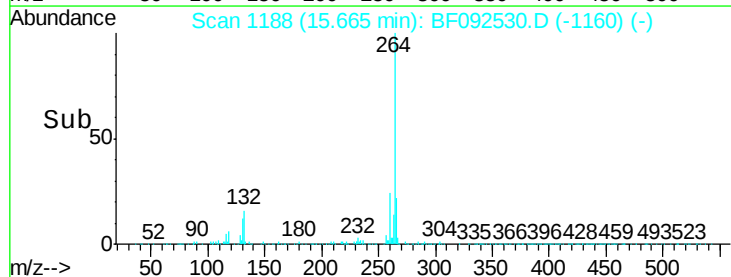
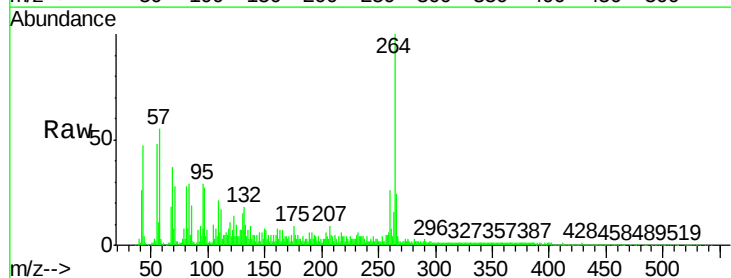
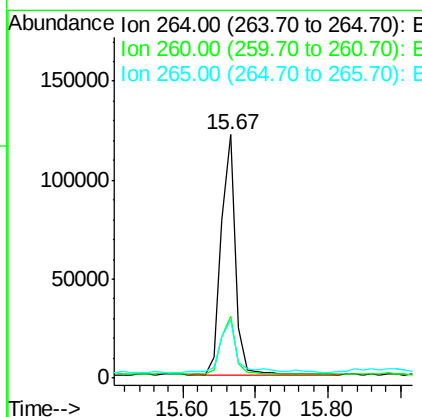
RT: 15.67 min Scan# 1188

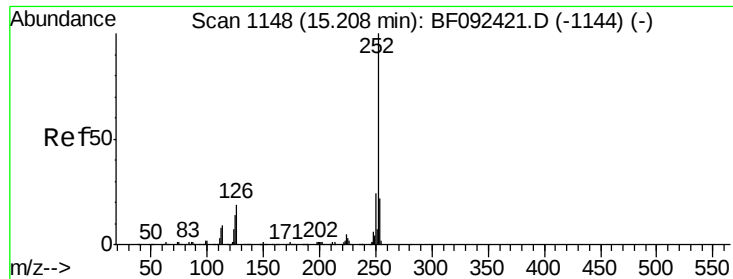
Delta R.T. 0.02 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion:	264	Resp:	168123
Ion Ratio	Lower	Upper	
264	100		
260	25.7	19.2	28.8
265	23.9	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.85 ng m

RT: 15.22 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Instrument :

BNA_F

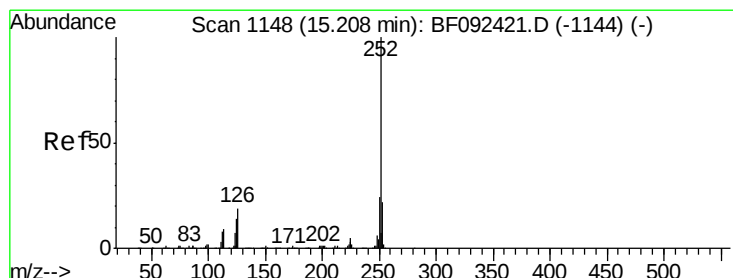
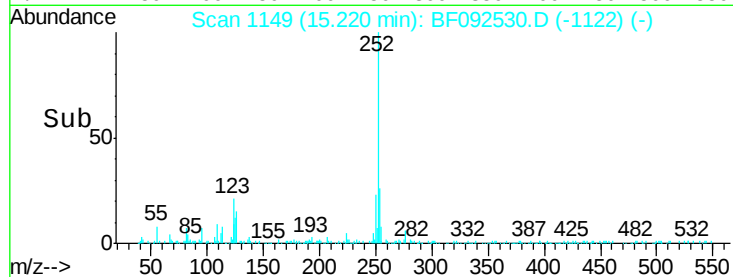
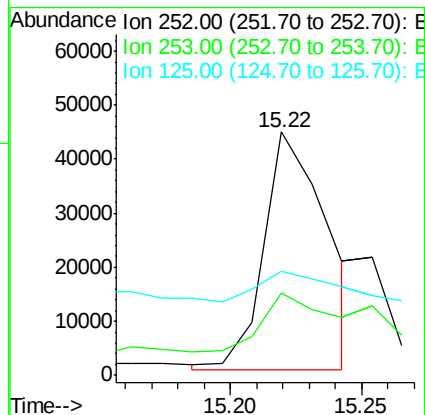
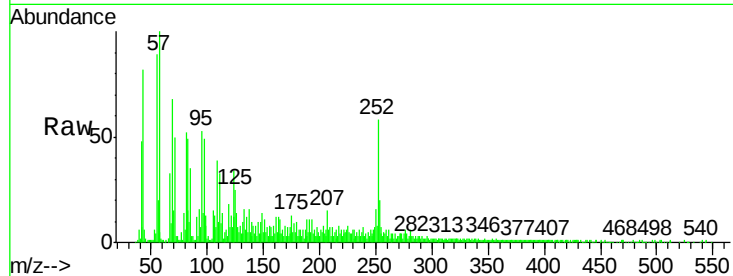
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:	252	Resp:	73931
Ion Ratio	Lower	Upper	
252	100		
253	33.7	18.2	27.4#
125	43.0	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 2.31 ng m

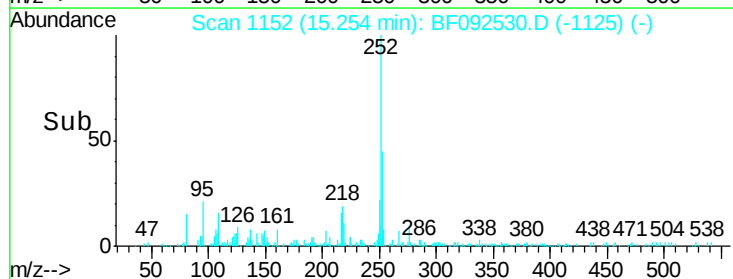
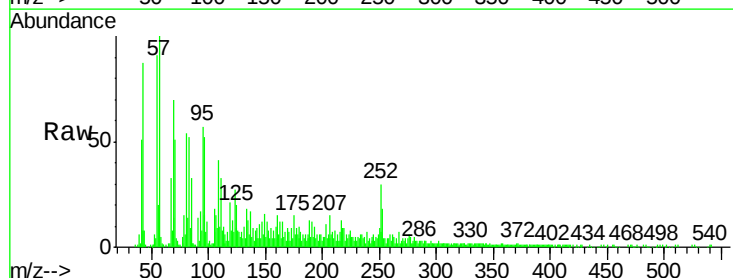
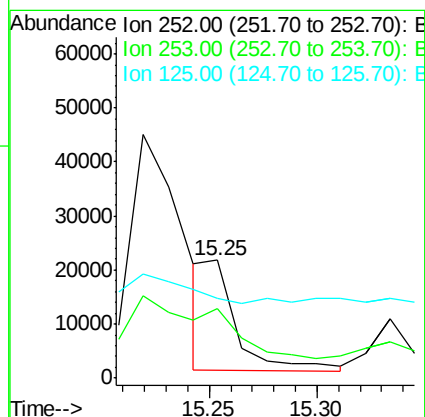
RT: 15.25 min Scan# 1152

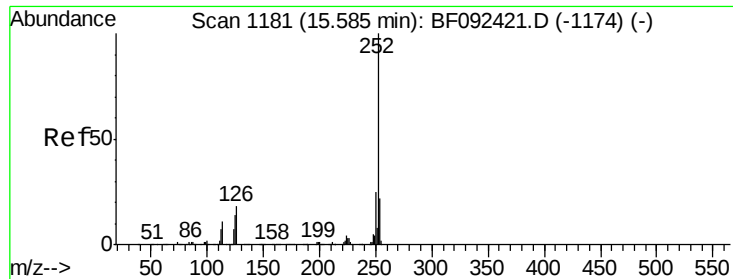
Delta R.T. 0.01 min

Lab File: BF092530.D

Acq: 26 Jan 2017 17:18

Tgt Ion:	252	Resp:	20756
Ion Ratio	Lower	Upper	
252	100		
253	59.4	18.5	27.7#
125	67.5	8.9	13.3#





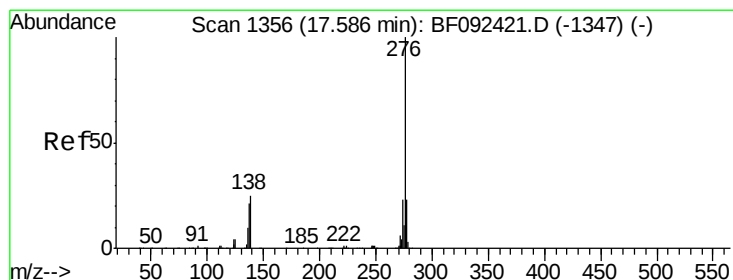
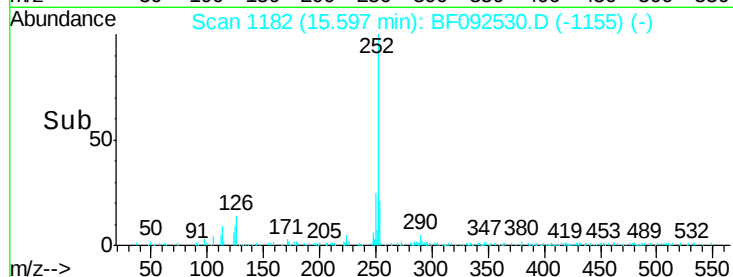
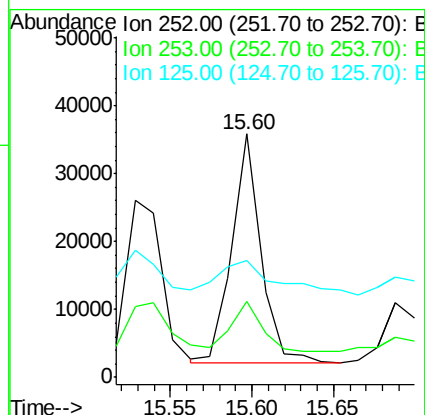
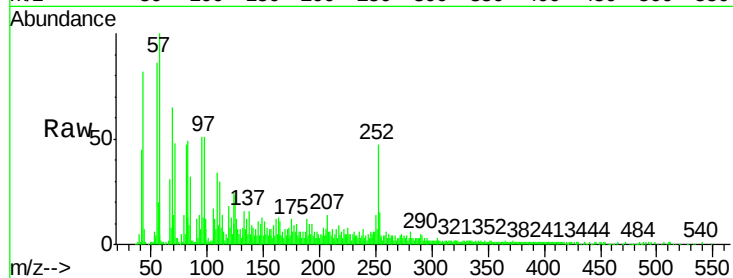
#89
Benzo(a)pyrene
Concen: 4.51 ng
RT: 15.60 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.2	27.2#
125	47.8	10.0	15.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.31 ng
RT: 17.62 min Scan# 1359
Delta R.T. 0.03 min
Lab File: BF092530.D
Acq: 26 Jan 2017 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.3	19.2	28.8#
138	45.7	16.0	24.0#

