

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086292.D
 Acq On : 18 Apr 2016 20:05
 Operator : UM/SJ
 Sample : H2413-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)

Manual Integrations
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 4/19/2016 6:23:36 PM

Quant Time: Apr 19 13:25:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	306321	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1142719	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	459692	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	723086	20.00	ng	0.00
75) Chrysene-d12	14.04	240	520076	20.00	ng	-0.01
86) Perylene-d12	15.48	264	423004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	2322218	124.21	ng	0.01
7) Phenol-d6	6.52	99	2533522	108.34	ng	0.00
23) Nitrobenzene-d5	7.46	82	2009207	101.41	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	386858	104.80	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2029082	81.45	ng	-0.01
78) Terphenyl-d14	13.00	244	1517945	73.39	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	362125	10.83	ng	98
70) Phenanthrene	11.44	178	290627	8.41	ng	98
74) Fluoranthene	12.62	202	511355	13.23	ng	93
77) Pyrene	12.84	202	443596	11.12	ng	97
80) Benzo(a)anthracene	14.03	228	245016	8.58	ng	96
82) Chrysene	14.07	228	189542	6.23	ng	96
85) Indeno(1,2,3-cd)pyrene	16.88	276	83294	3.33	ng	# 95
87) Benzo(b)fluoranthene	15.06	252	251693m	9.64	ng	
88) Benzo(k)fluoranthene	15.08	252	62439m	2.62	ng	
89) Benzo(a)pyrene	15.41	252	143817	6.36	ng	# 94
91) Benzo(g,h,i)perylene	17.31	276	77646	3.66	ng	95

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

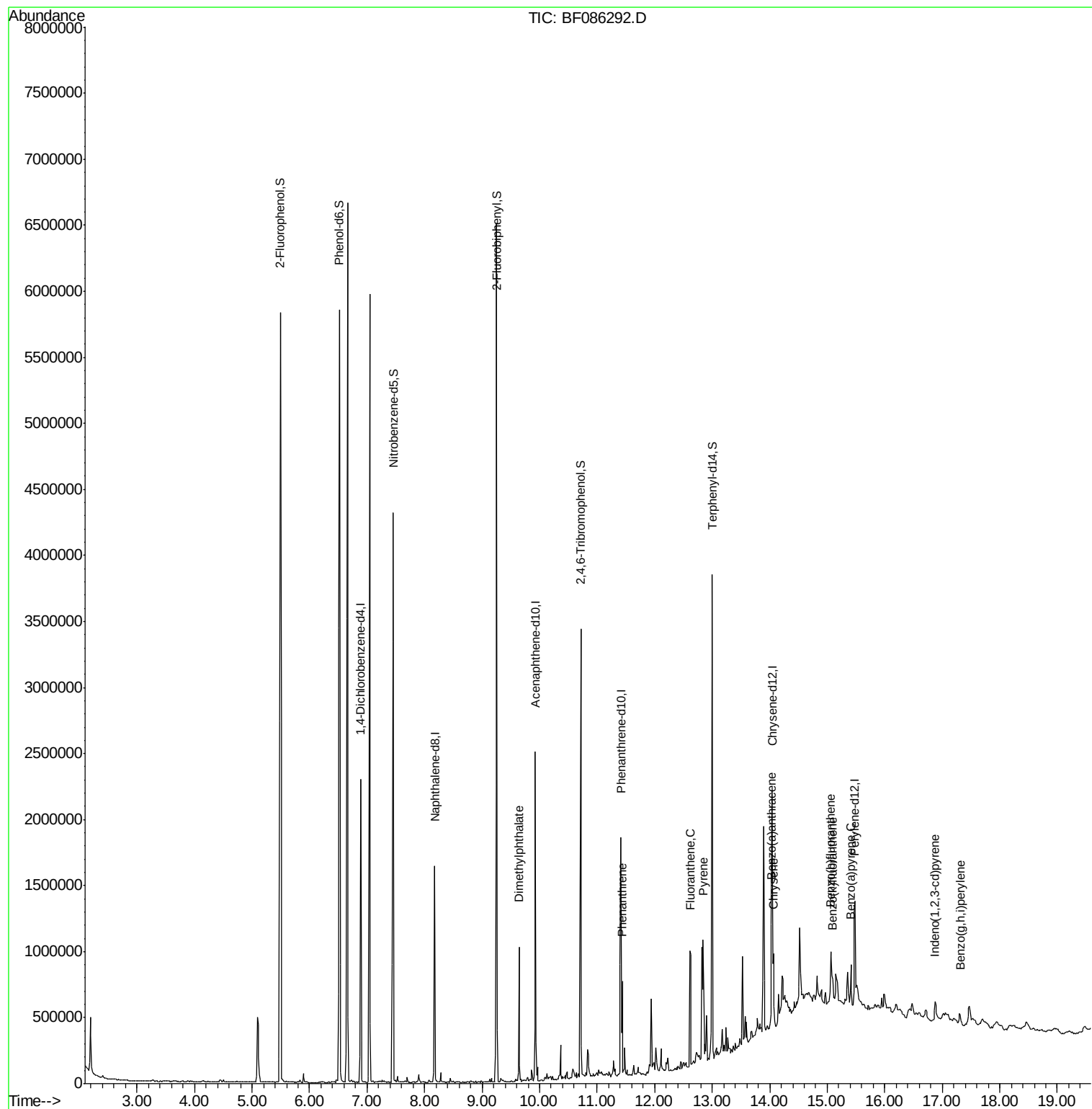
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086292.D
Acq On : 18 Apr 2016 20:05
Operator : UM/SJ
Sample : H2413-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

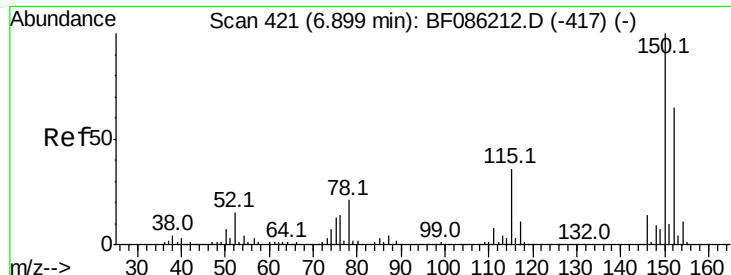
Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

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Quant Time: Apr 19 13:25:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
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QLast Update : Fri Apr 15 15:56:31 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

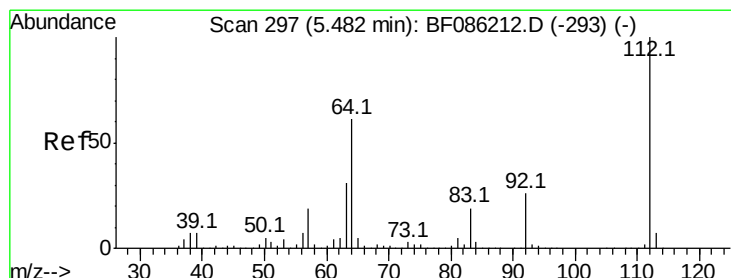
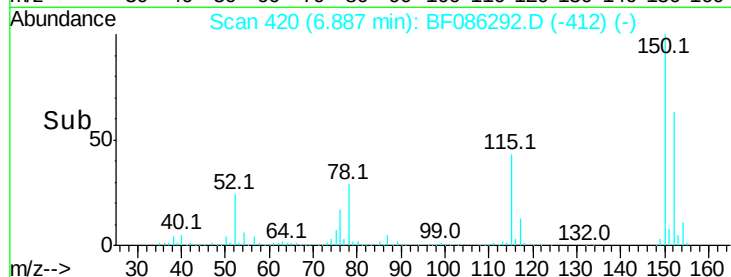
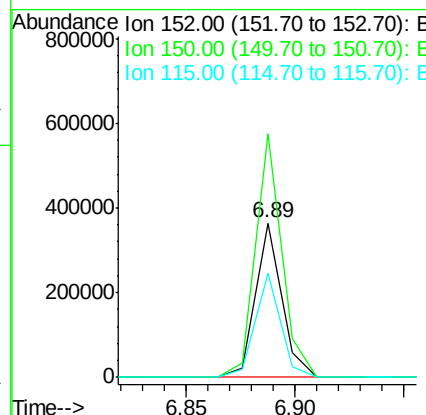
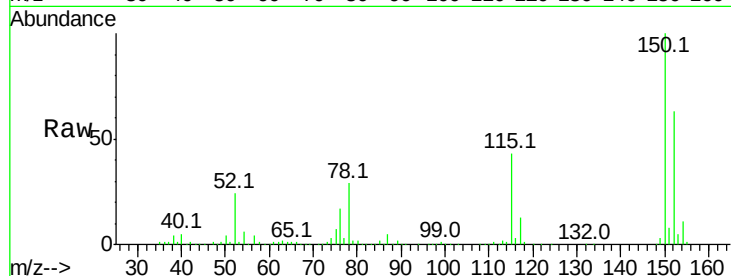
ClientSampleId :

SP-1-A(0-2)

Tot Ion:	152	Resp:	306321
Ion Ratio	Lower	Upper	
152	100		
150	157.9	124.1	186.1
115	67.5	43.9	65.9#

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#5

2-Fluorophenol

Concen: 124.21 ng

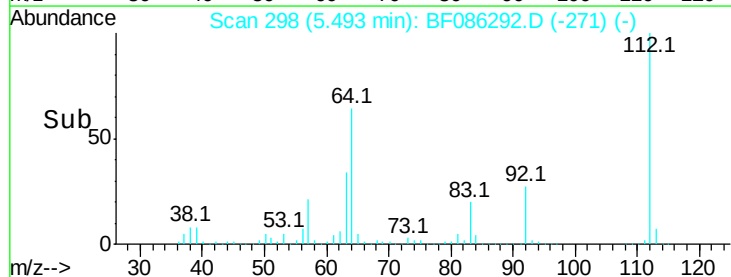
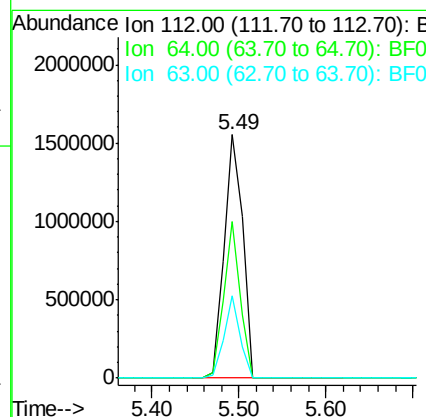
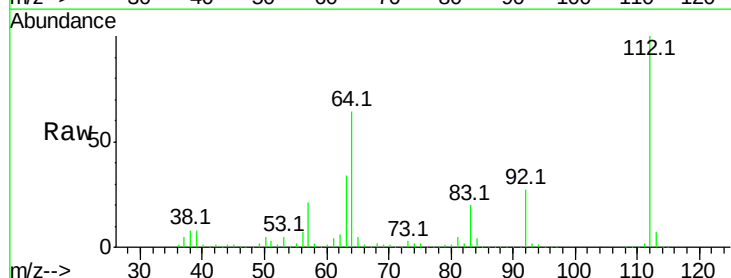
RT: 5.49 min Scan# 298

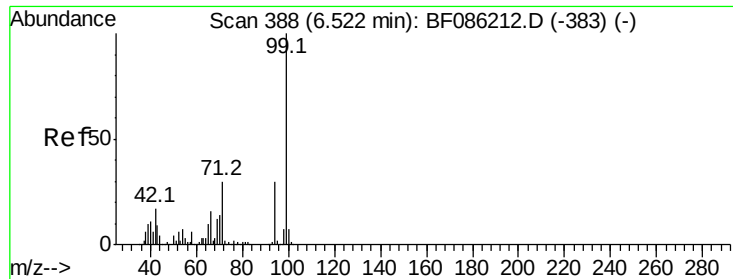
Delta R.T. 0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion:	112	Resp:	2322218
Ion Ratio	Lower	Upper	
112	100		
64	64.1	48.1	72.1
63	33.9	25.5	38.3





#7

Phenol-d6

Concen: 108.34 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

Tot Ion: 99 Resp: 2533522

Ion Ratio Lower Upper

99 100

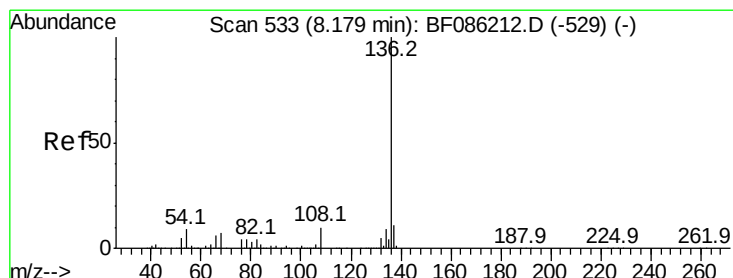
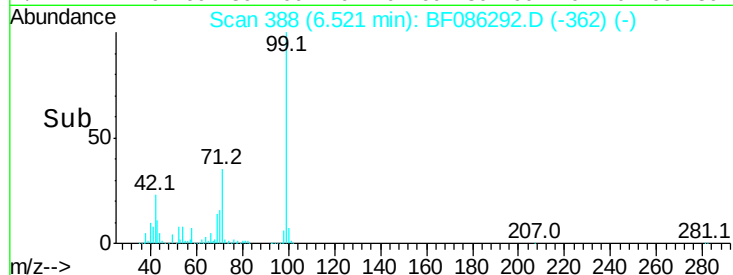
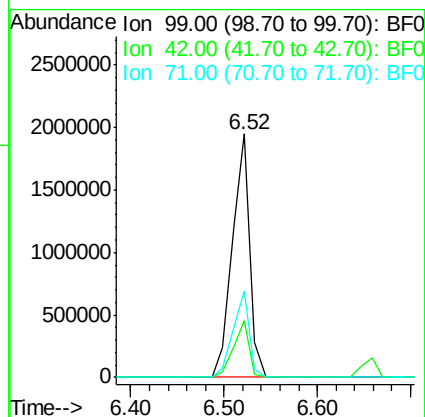
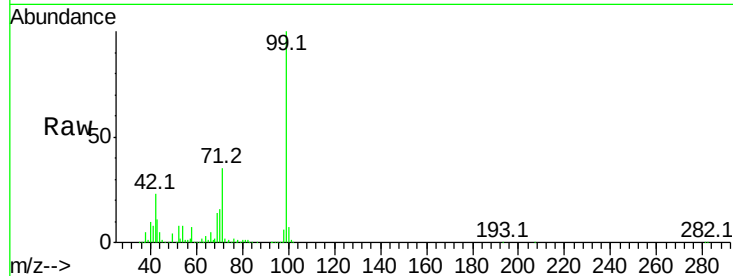
42 23.3 15.4 23.2#

71 35.4 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion: 136 Resp: 1142719

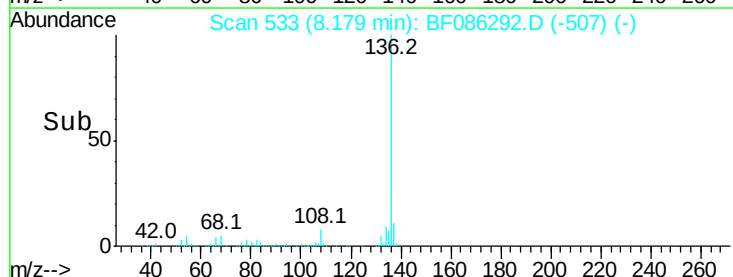
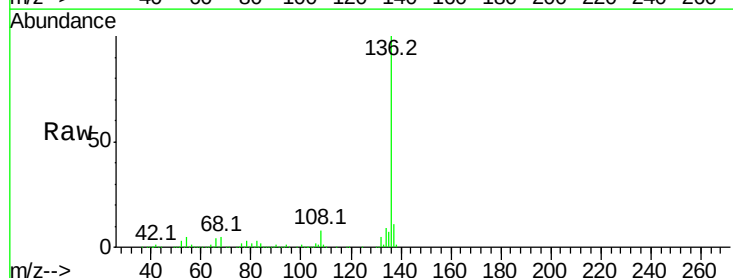
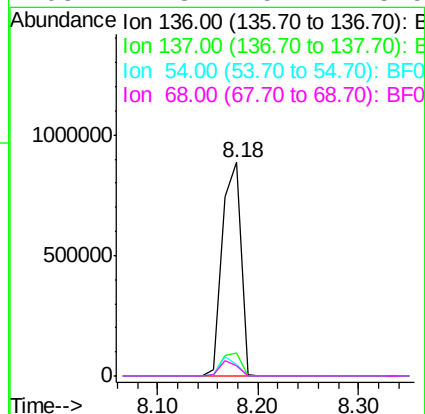
Ion Ratio Lower Upper

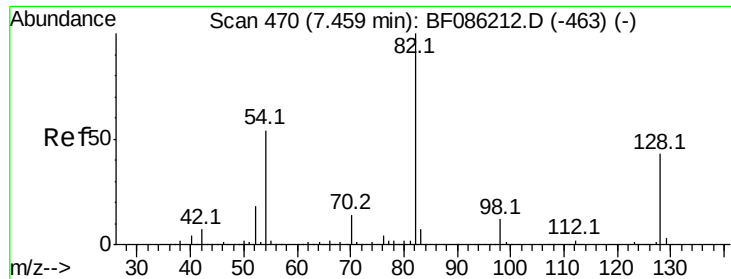
136 100

137 10.6 9.1 13.7

54 5.1 7.3 10.9#

68 4.8 5.7 8.5#





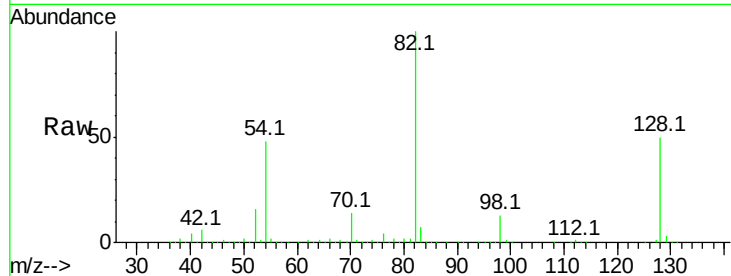
#23
 Nitrobenzene-d5
 Concen: 101.41 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Instrument :
 BNA_F
 ClientSampled :
 SP-1-A(0-2)

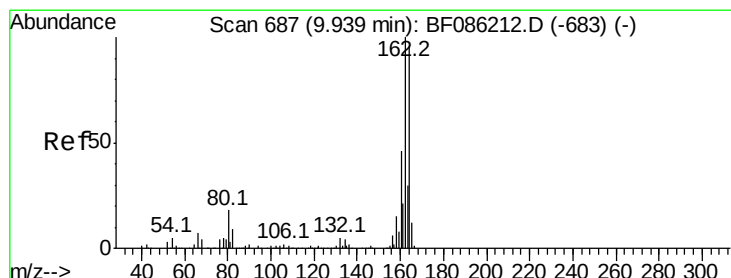
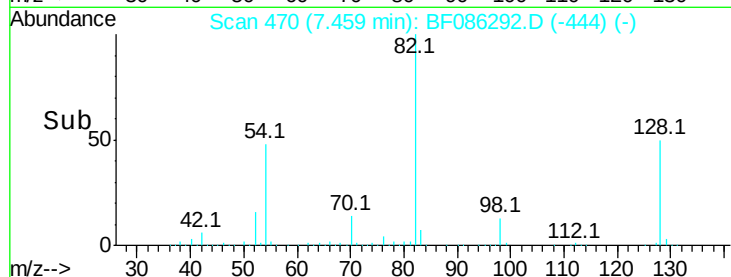
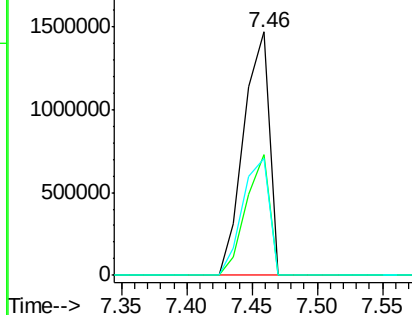
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	35.4	53.2
54	48.3	43.4	65.0

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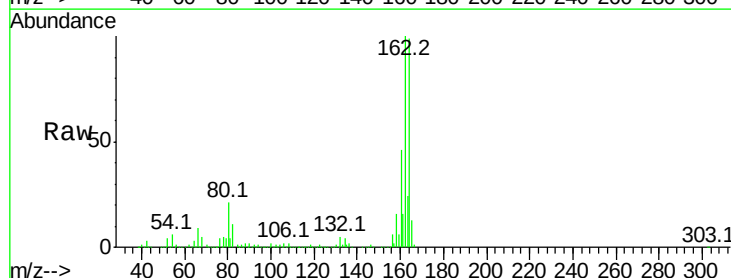


Abundance Ion 82.00 (81.70 to 82.70): BF0
 2000000
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

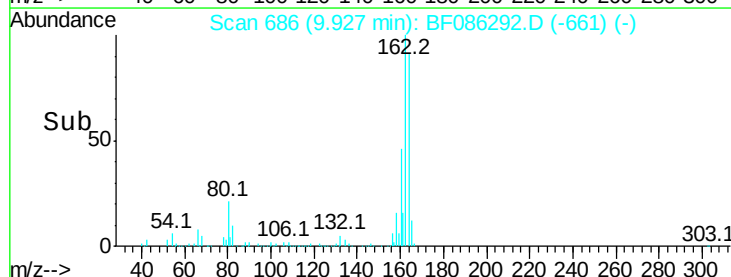
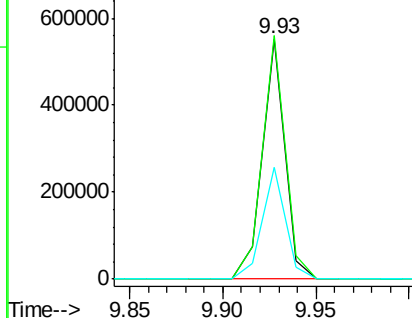


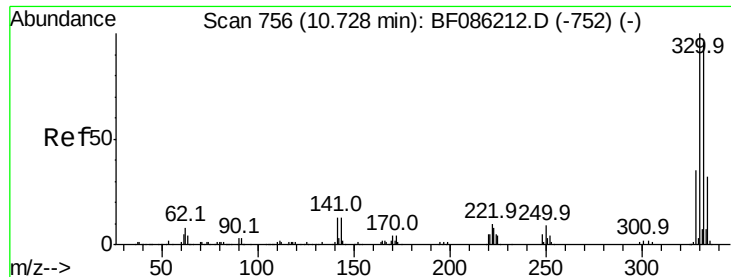
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.8	124.2
160	46.6	38.9	58.3



Abundance Ion 164.00 (163.70 to 164.70): E
 600000
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





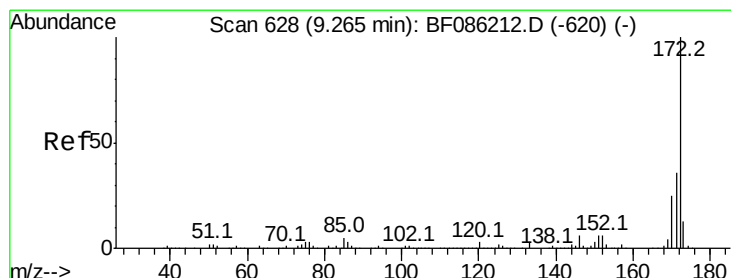
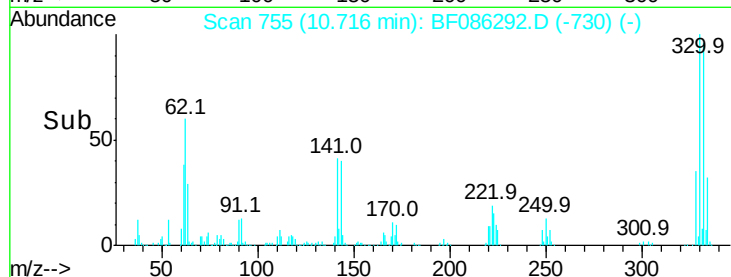
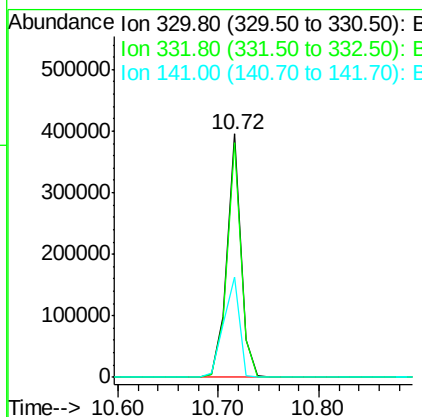
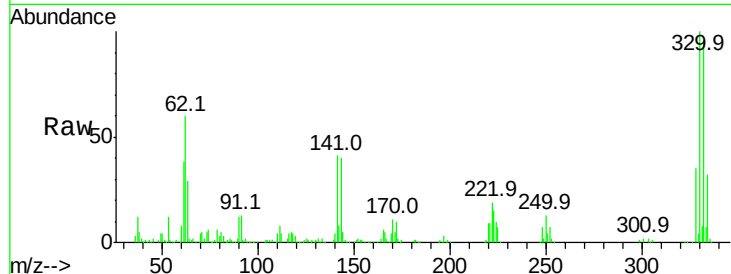
#41
 2,4,6-Tribromophenol
 Concen: 104.80 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Instrument :
 BNA_F
 ClientSampled :
 SP-1-A(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	78.7	118.1	
141	46.1	28.6	42.8#	

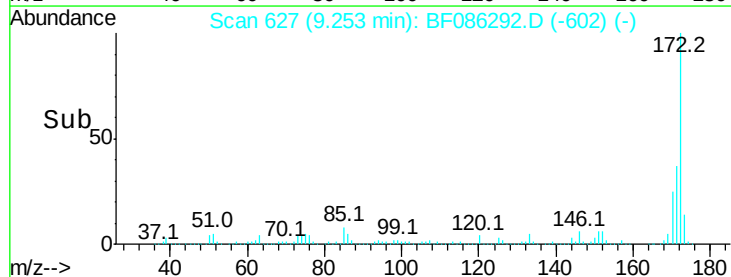
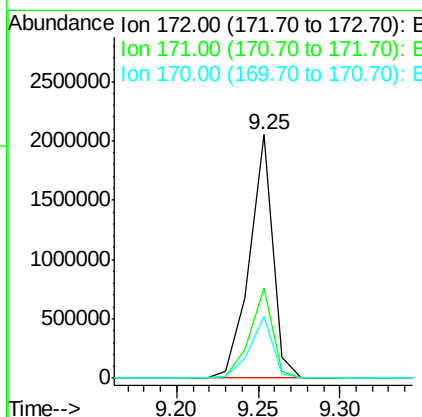
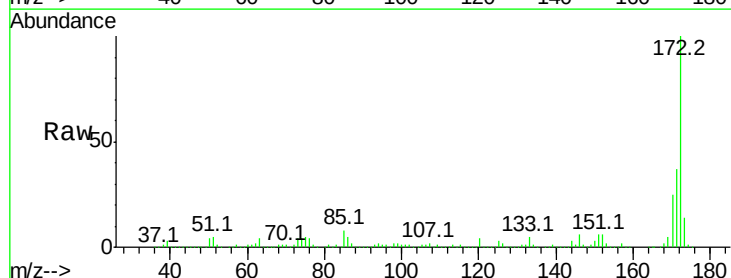
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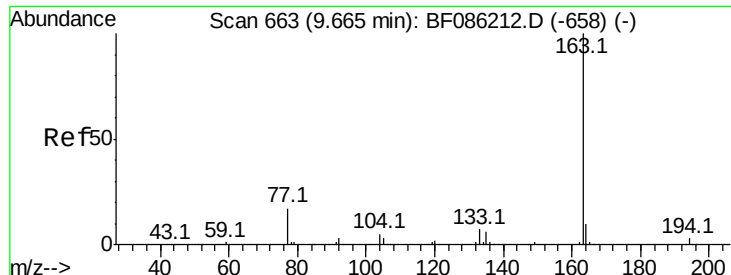
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#44
 2-Fluorobiphenyl
 Concen: 81.45 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.1	43.7	
170	25.3	19.9	29.9	





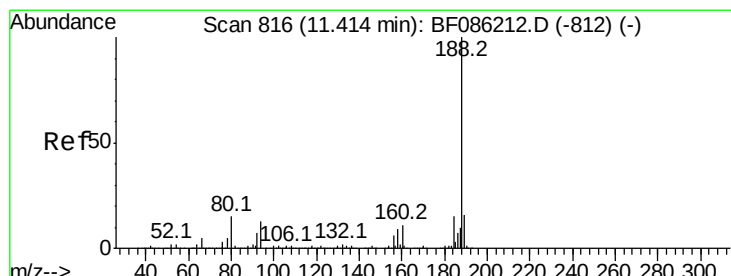
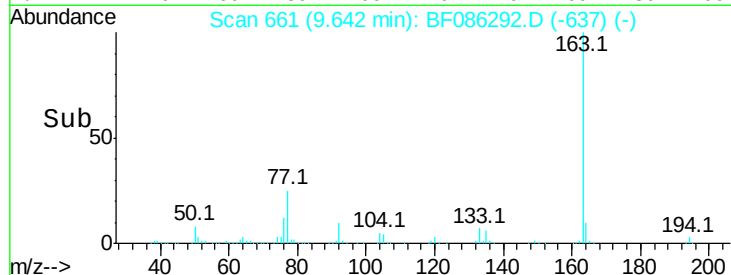
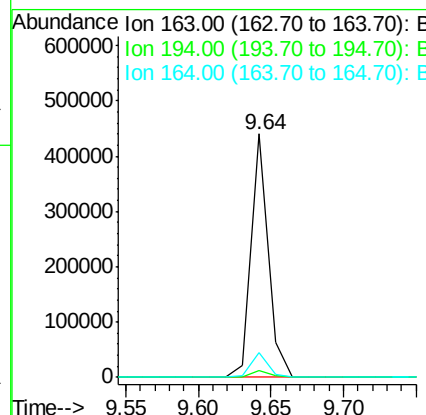
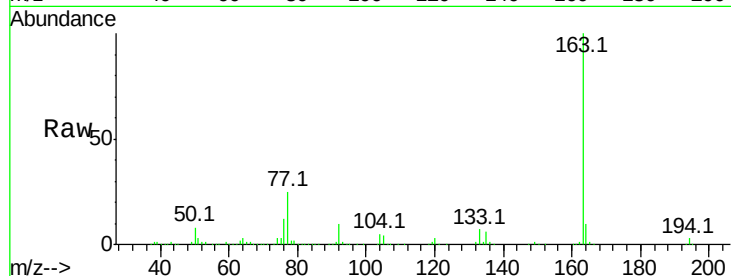
#49
Dimethylphthalate
Concen: 10.83 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	362125		
194	2.9		2.8	4.2
164	10.0		8.4	12.6

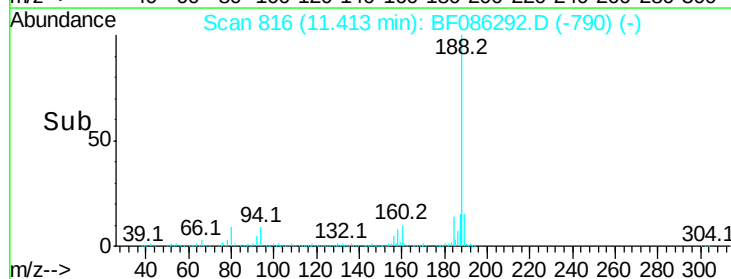
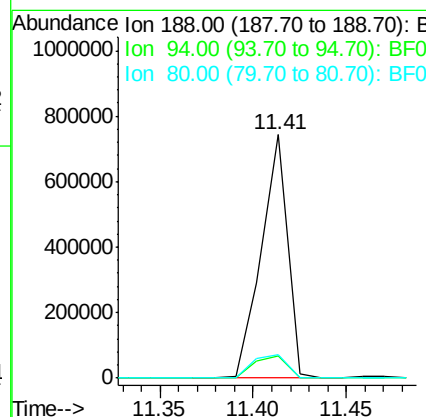
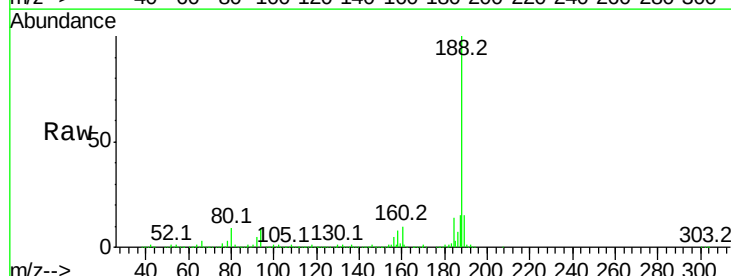
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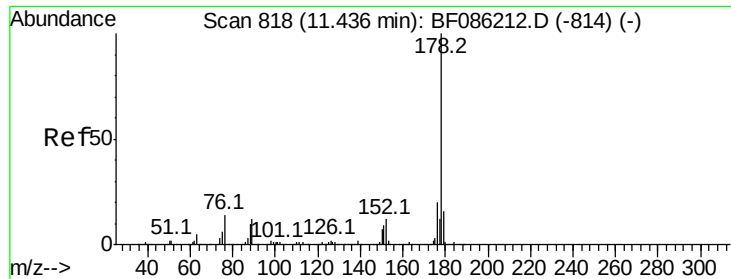
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	723086		
94	9.1		9.8	14.8#
80	9.4		10.5	15.7#





#70

Phenanthrene

Concen: 8.41 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

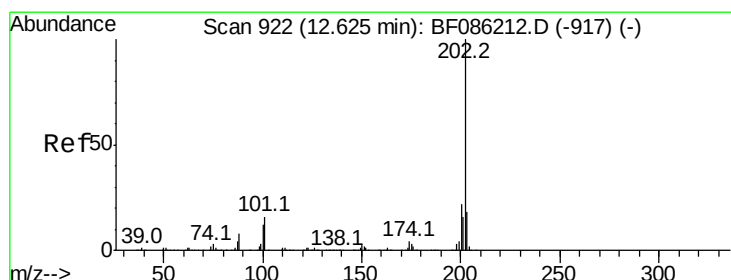
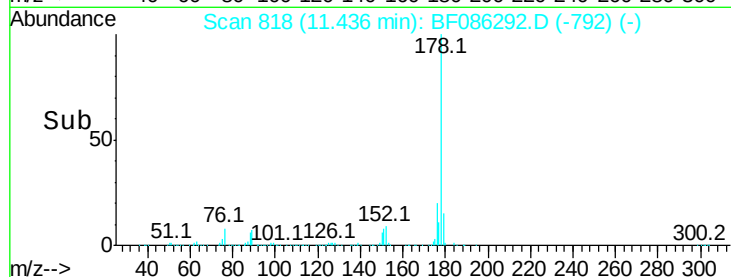
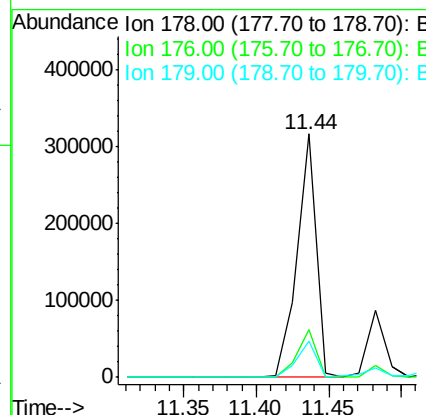
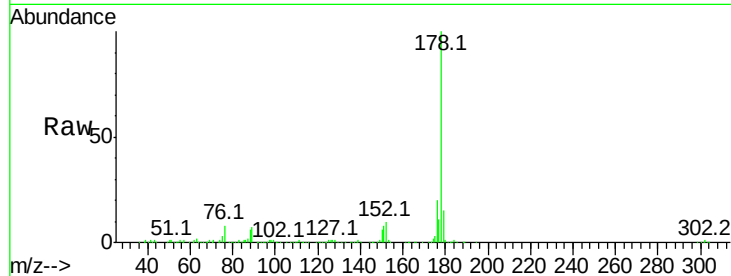
ClientSampled :

SP-1-A(0-2)

Tot Ion:	178	Resp:	290627
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.3	24.5
179	15.1	13.0	19.6

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#74

Fluoranthene

Concen: 13.23 ng

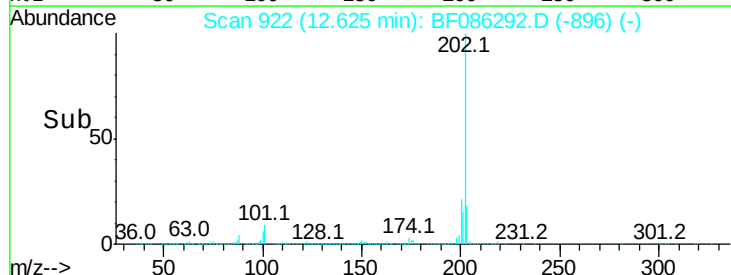
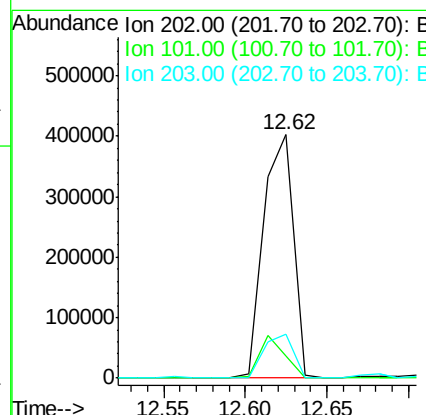
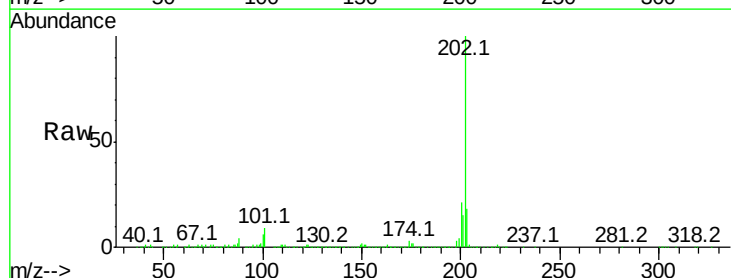
RT: 12.62 min Scan# 922

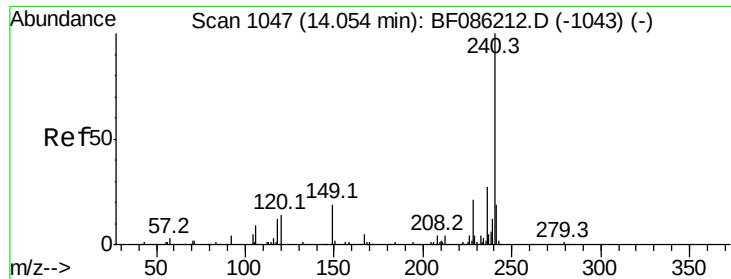
Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion:	202	Resp:	511355
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	35.2
203	18.1	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

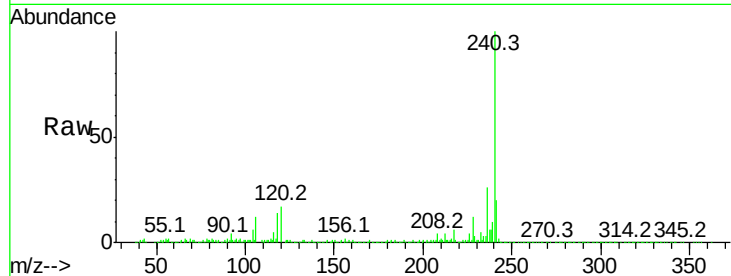
ClientSampleId :

SP-1-A(0-2)

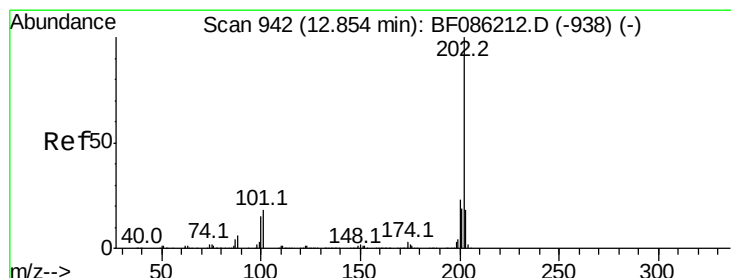
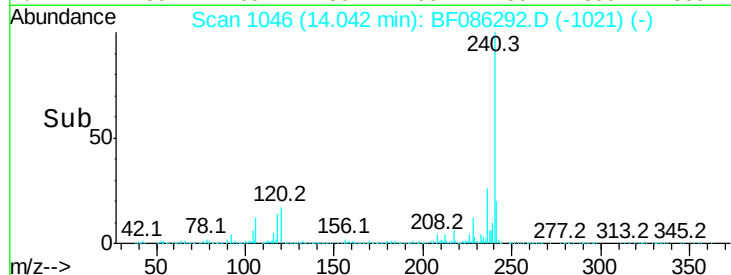
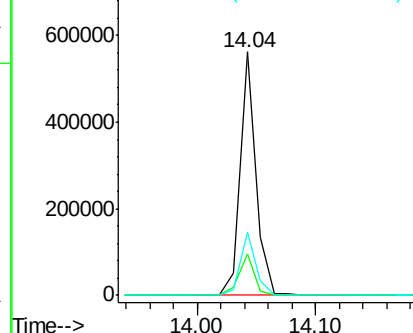
Tot Ion:	240	Resp:	520076
Ion Ratio	Lower	Upper	
240	100		
120	16.8	9.3	13.9#
236	26.1	21.1	31.7

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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: 11.12 ng

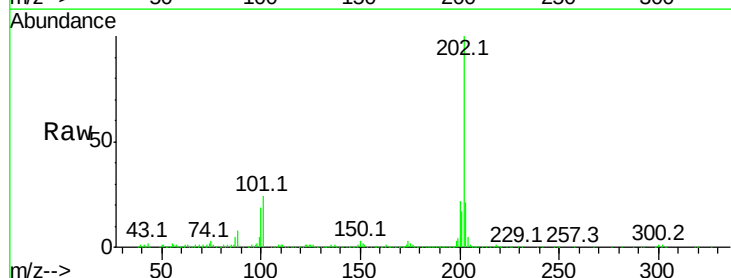
RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

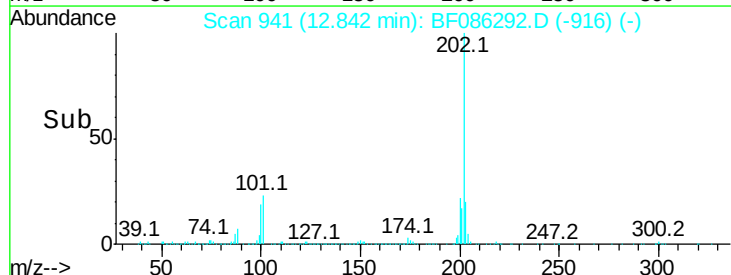
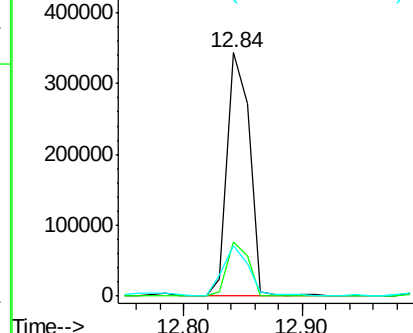
Lab File: BF086292.D

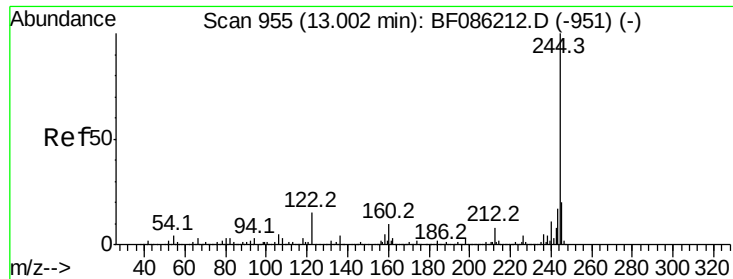
Acq: 18 Apr 2016 20:05

Tgt Ion:	202	Resp:	443596
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.3	27.5
203	20.9	14.9	22.3



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: 73.39 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

Tot Ion:244 Resp: 1517945

Ion Ratio Lower Upper

244 100

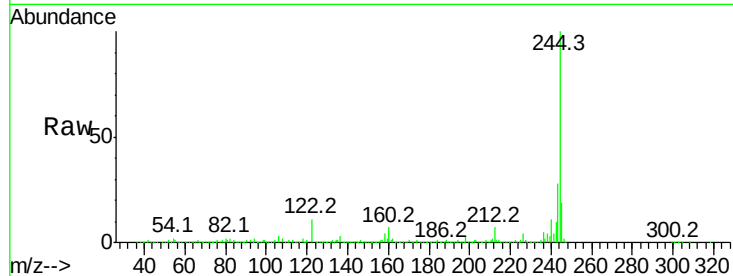
212 7.1 6.4 9.6

122 10.6 11.7 17.5#

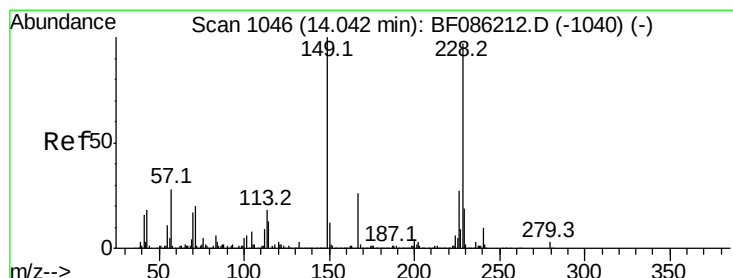
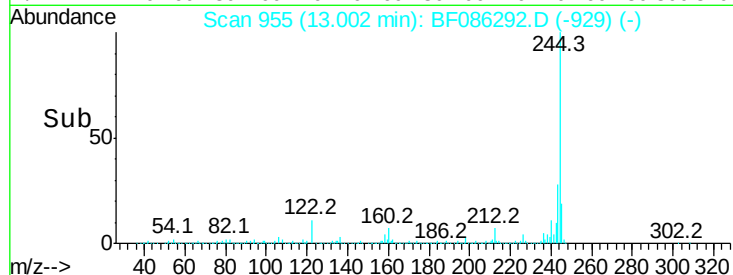
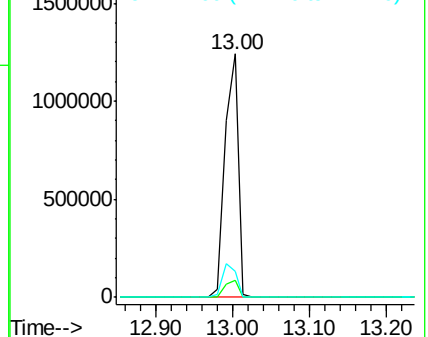
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.58 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

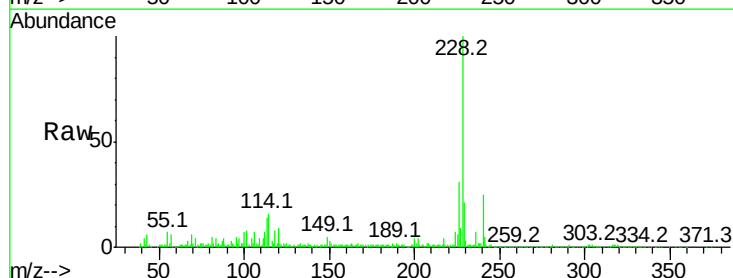
Tgt Ion:228 Resp: 245016

Ion Ratio Lower Upper

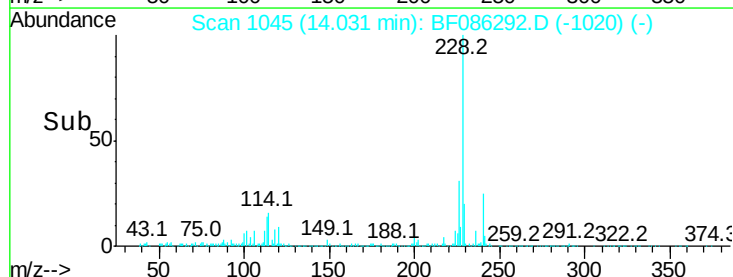
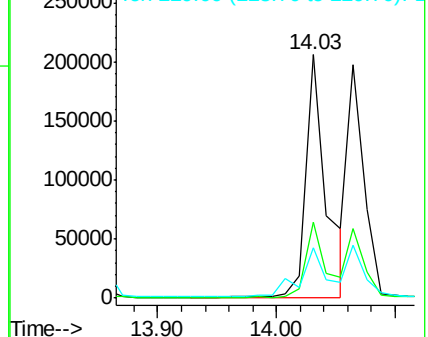
228 100

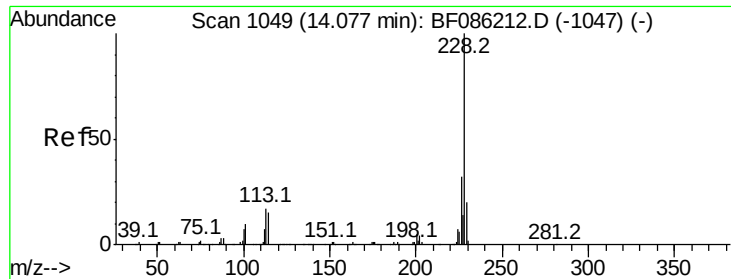
226 31.0 22.5 33.7

229 20.9 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.23 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

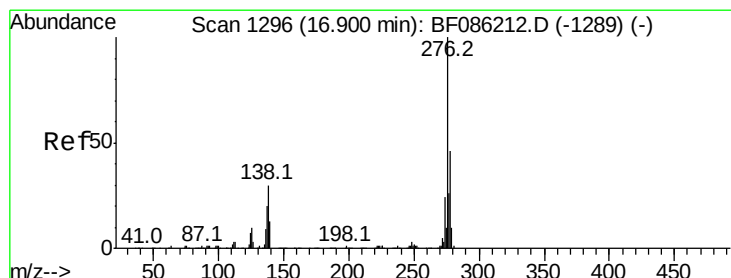
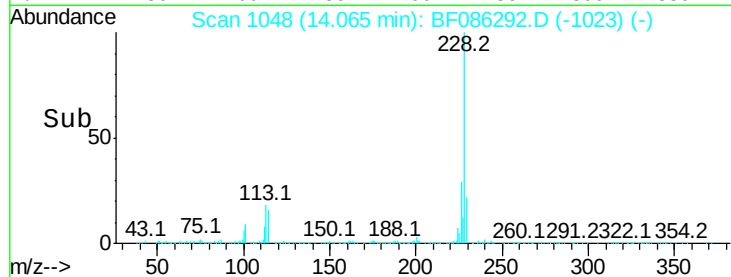
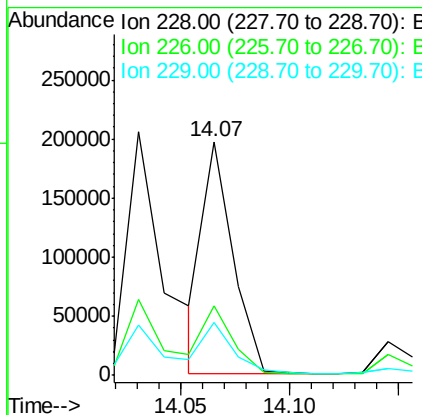
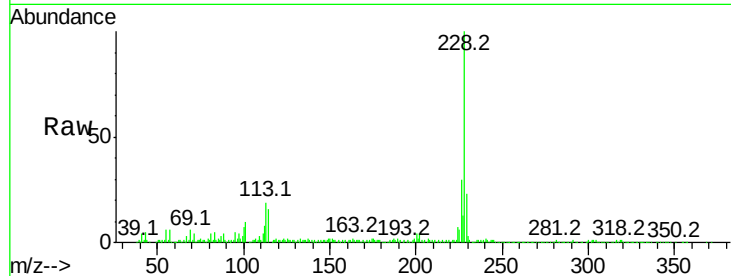
ClientSampled :

SP-1-A(0-2)

Tot Ion:	228	Resp:	189542
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.4	38.2
229	22.6	16.5	24.7

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.33 ng

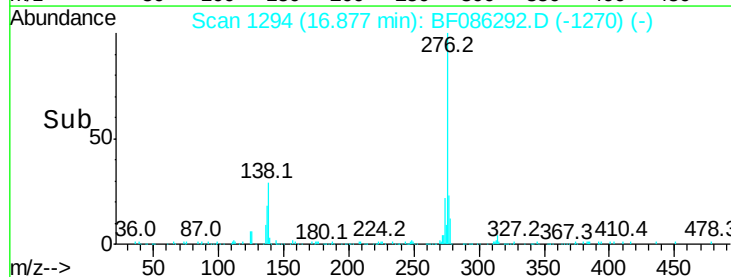
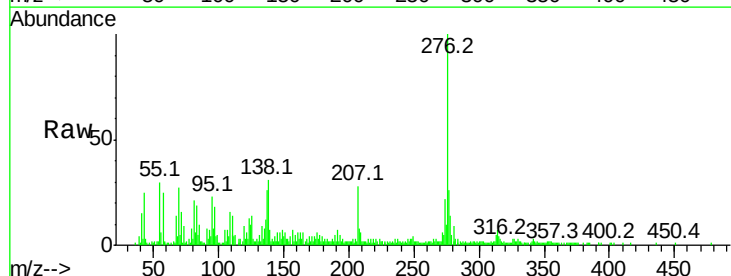
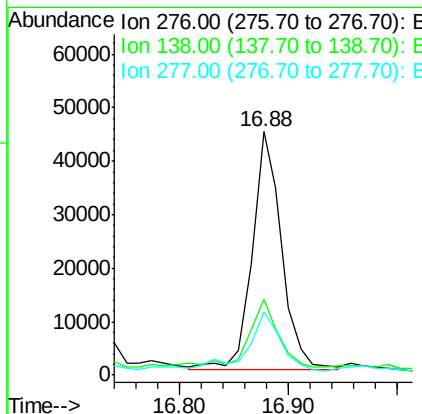
RT: 16.88 min Scan# 1294

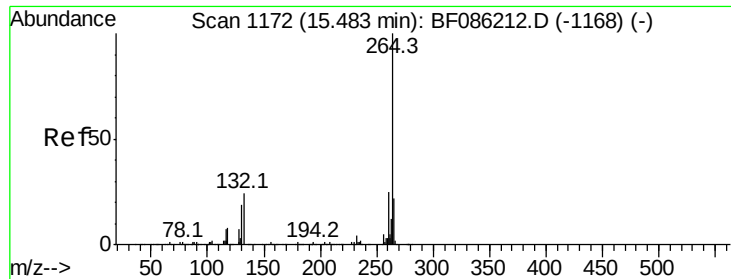
Delta R.T. -0.02 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion:	276	Resp:	83294
Ion Ratio	Lower	Upper	
276	100		
138	29.9	23.8	35.6
277	30.6	20.2	30.2#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

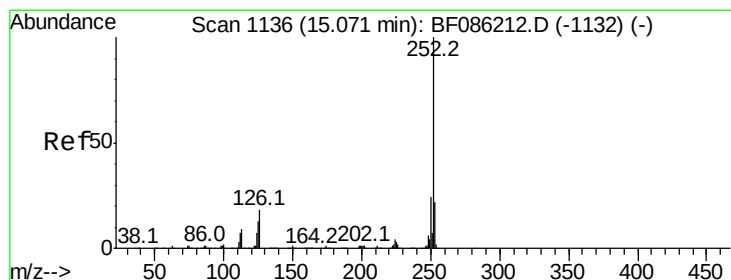
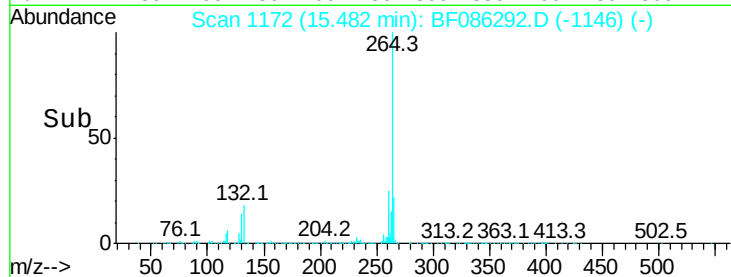
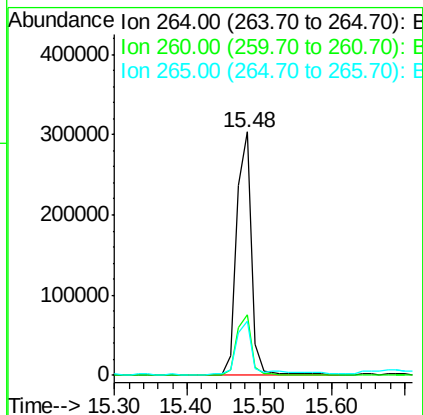
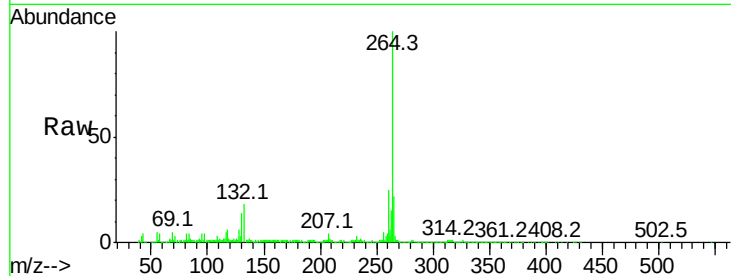
ClientSampled :

SP-1-A(0-2)

Tot Ion:	264	Resp:	423004
Ion Ratio	Lower	Upper	
264	100		
260	24.7	20.0	30.0
265	22.5	17.4	26.0

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#87

Benzo(b)fluoranthene

Concen: 9.64 ng m

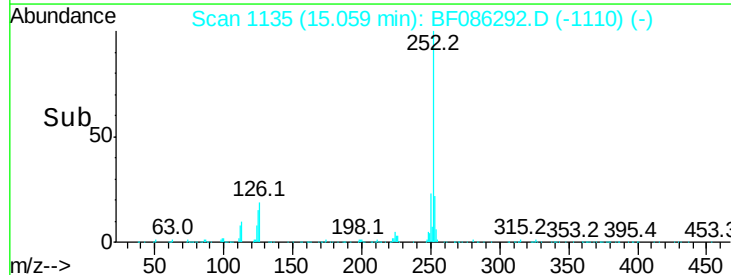
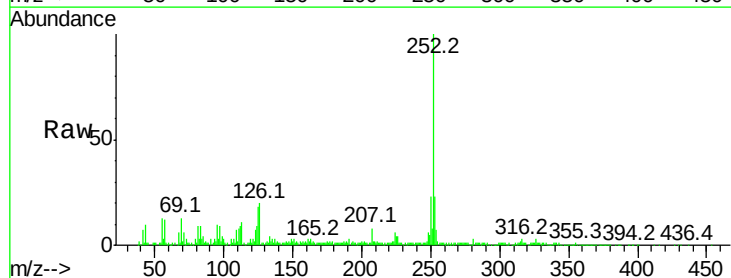
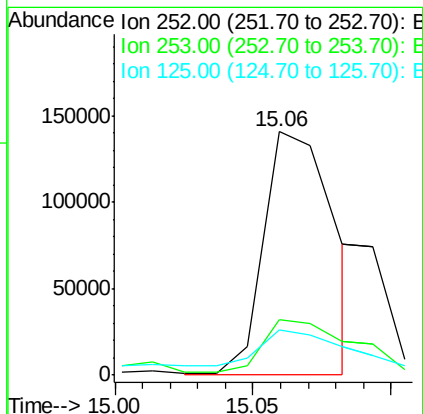
RT: 15.06 min Scan# 1135

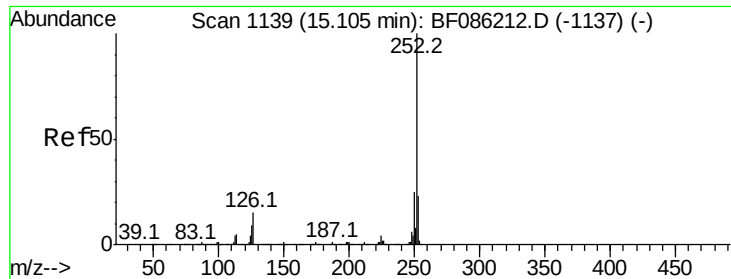
Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion:	252	Resp:	251693
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	18.4	10.3	15.5#





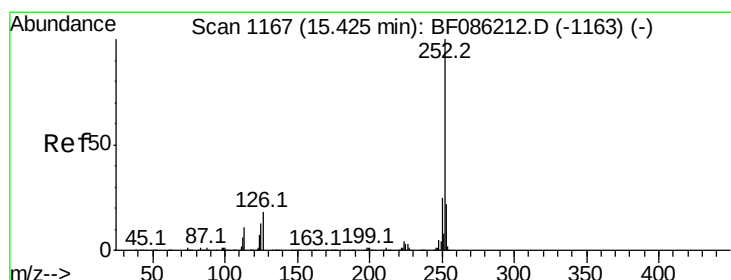
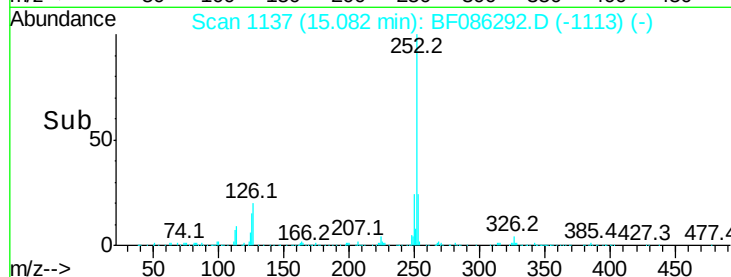
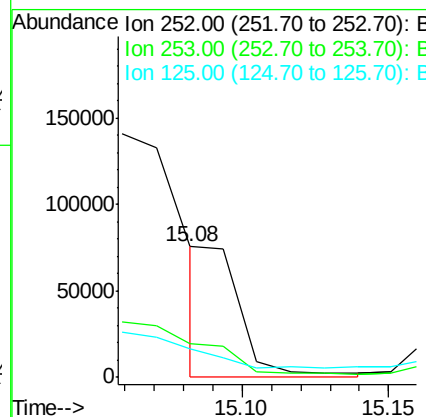
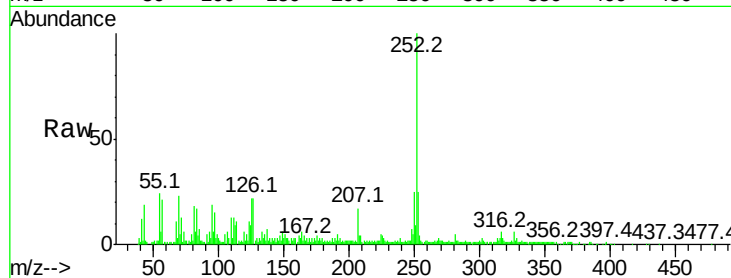
#88
Benzo(k)fluoranthene
Concen: 2.62 ng/ml
RT: 15.08 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	22.3	7.8	11.6

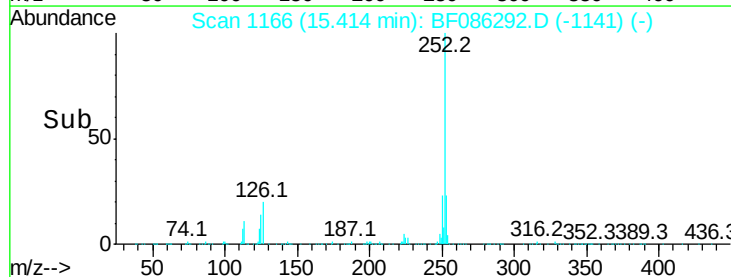
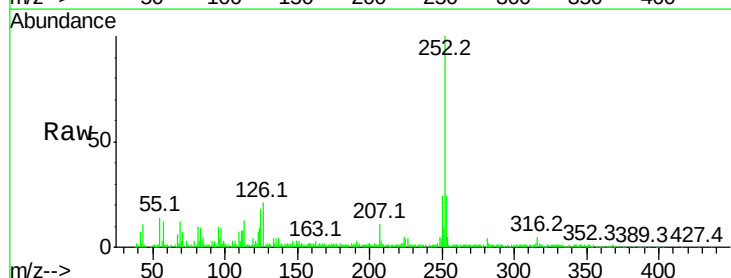
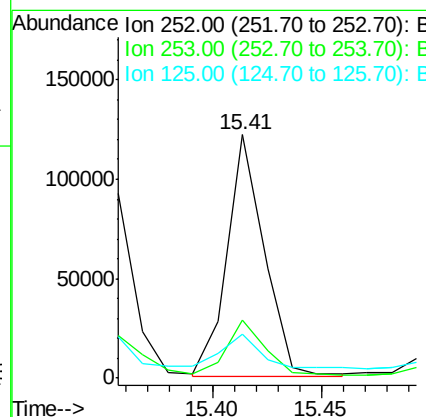
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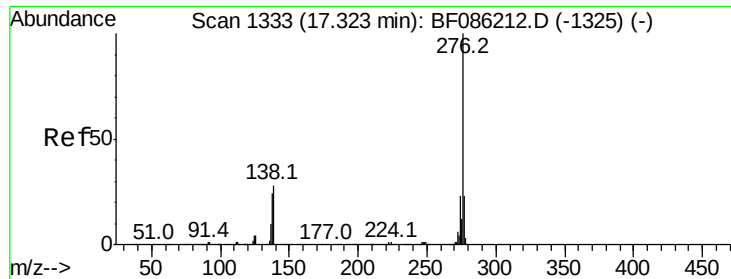
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#89
Benzo(a)pyrene
Concen: 6.36 ng/ml
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	18.0	11.2	16.8





#91
 Benzo(a,h,i)perylene
 Concen: 3.66 ng
 RT: 17.31 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)

Tot Ion:	276	Resp:	77646
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.0	28.6
138	27.6	19.6	29.4

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