

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086297.D
 Acq On : 18 Apr 2016 22:29
 Operator : UM/SJ
 Sample : H2413-14 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 305-1(0-2)

Manual Integrations
 APPROVED

Sohil
 4/19/2016 6:24:30 PM

Quant Time: Apr 19 03:07:43 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	303883	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1157146	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	445933	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	692207	20.00	ng	0.00
75) Chrysene-d12	14.04	240	483132	20.00	ng	-0.01
86) Perylene-d12	15.48	264	389994	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	454681	24.52	ng	0.00
7) Phenol-d6	6.51	99	584166	25.18	ng	-0.01
23) Nitrobenzene-d5	7.45	82	330426	16.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	74904	20.92	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	510883	21.14	ng	-0.01
78) Terphenyl-d14	12.99	244	346408	18.03	ng	-0.01
Target Compounds						
70) Phenanthrene	11.44	178	177784	5.38	ng	98
73) Di-n-butylphthalate	11.97	149	134685	3.17	ng	99
74) Fluoranthene	12.62	202	257102	3.89	ng	92
77) Pyrene	12.84	202	232940	6.28	ng	98
80) Benzo(a)anthracene	14.03	228	121158	4.57	ng	94
82) Chrysene	14.07	228	89958	3.18	ng	95
87) Benzo(b)fluoranthene	15.07	252	112488m	4.68	ng	
89) Benzo(a)pyrene	15.41	252	71543	3.43	ng	# 82
91) Benzo(g,h,i)perylene	17.31	276	41060	2.10	ng	# 85

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

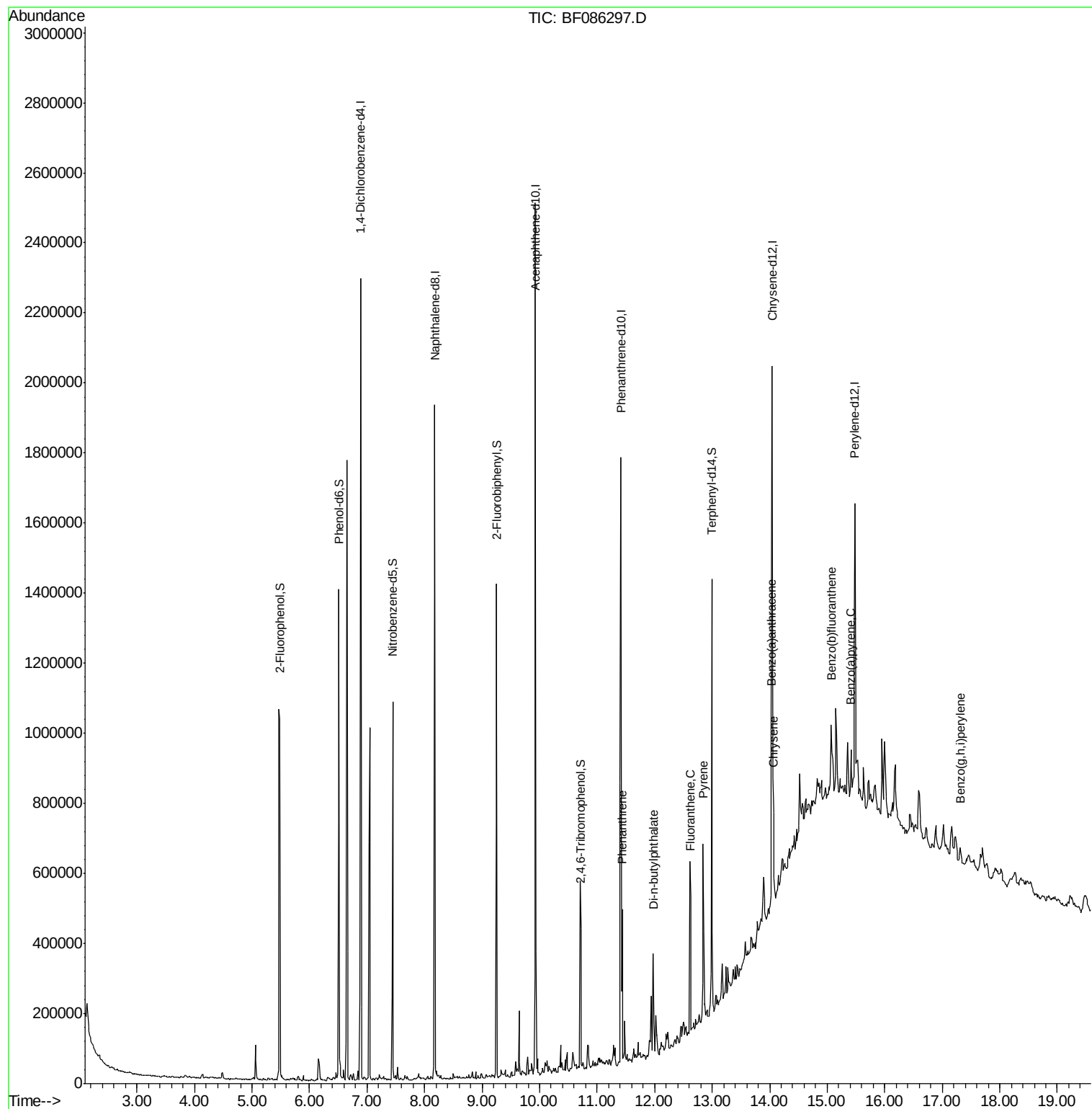
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

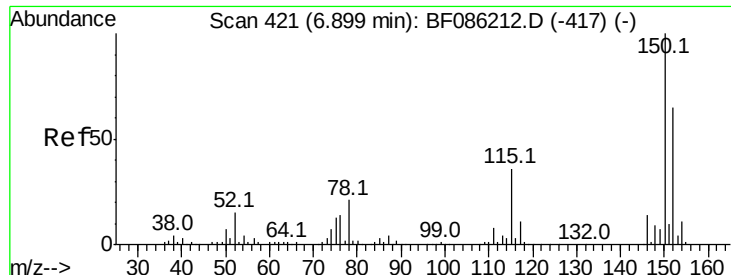
Instrument :
BNA_F
ClientSampleId :
305-1(0-2)

Manual Integrations
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4/19/2016 6:24:30 PM

Quant Time: Apr 19 03:07:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

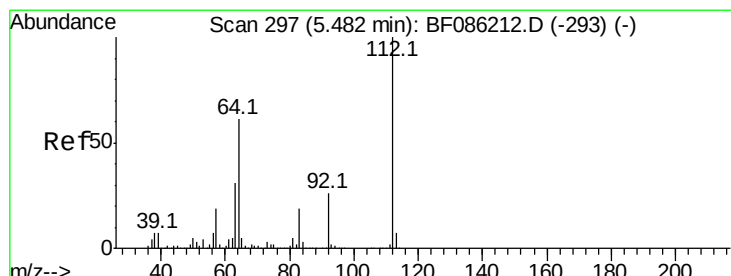
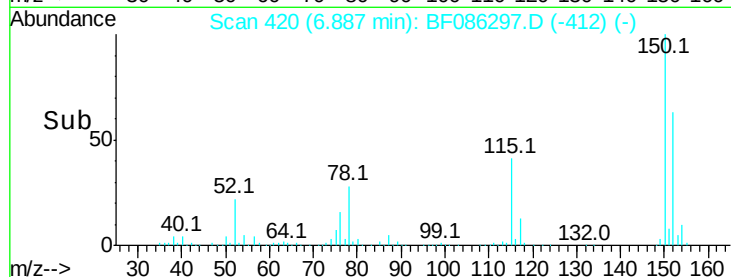
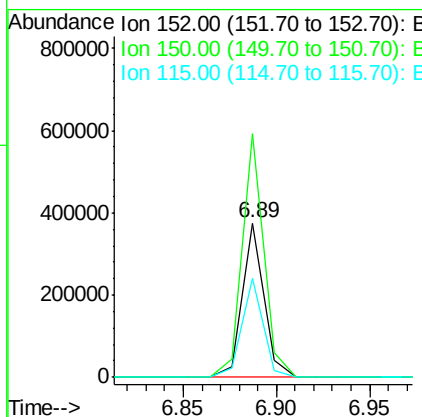
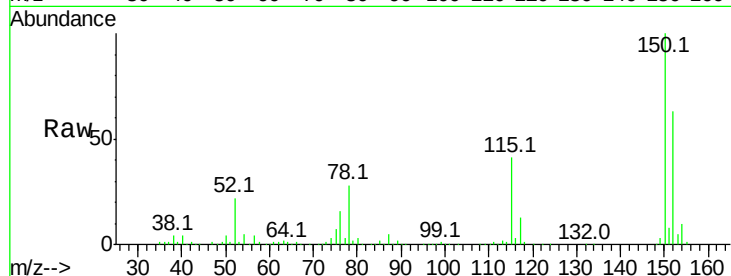
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Instrument :
BNA_F
ClientSampleId :
305-1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	303883		
150	158.0	124.1	186.1	
115	64.6	43.9	65.9	

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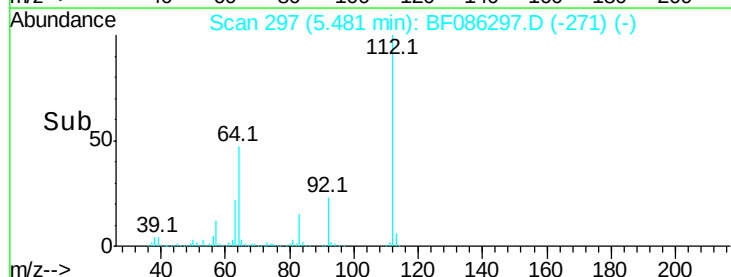
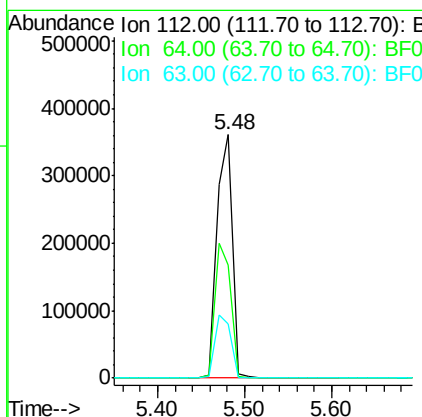
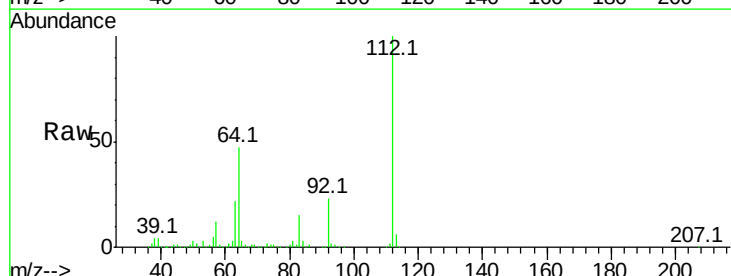
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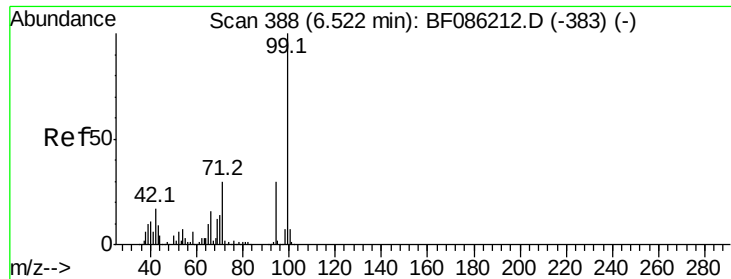


#5

2-Fluorophenol
Concen: 24.52 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	454681		
64	46.5	48.1	72.1#	
63	22.2	25.5	38.3#	





#7

Phenol-d6

Concen: 25.18 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

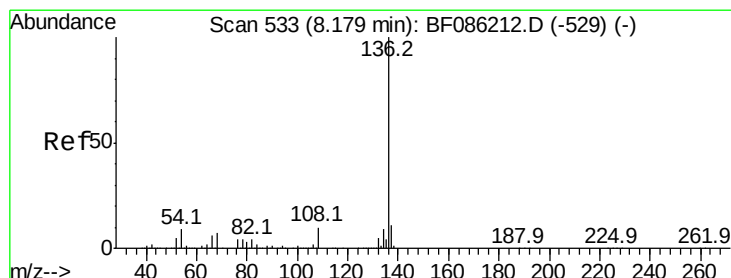
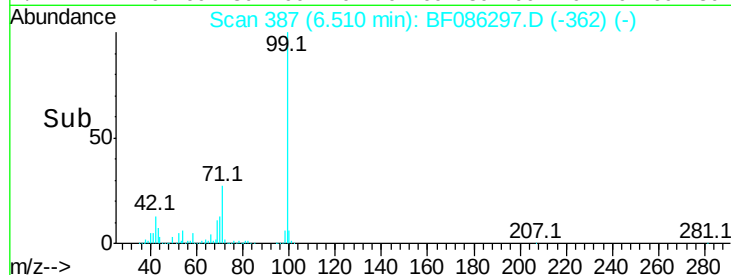
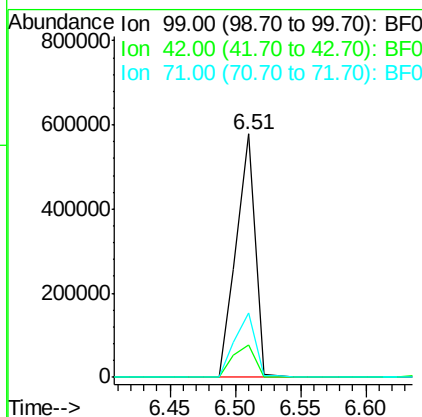
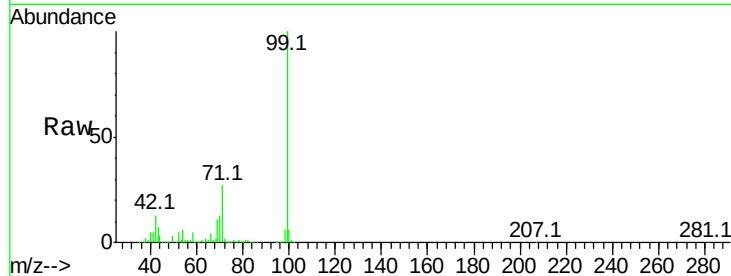
ClientSampleId :

305-1(0-2)

Tot Ion:	99	Resp:	584166
Ion Ratio	Lower	Upper	
99	100		
42	13.5	15.4	23.2#
71	26.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

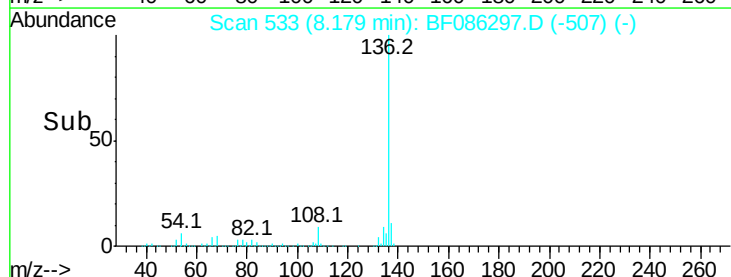
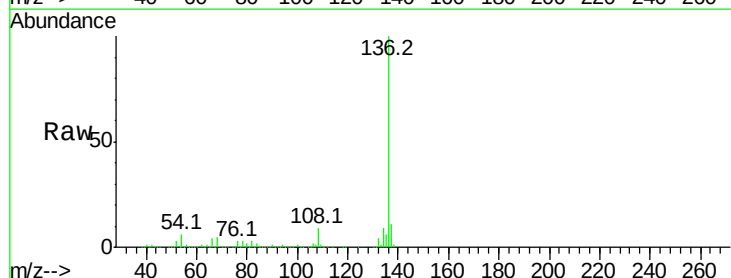
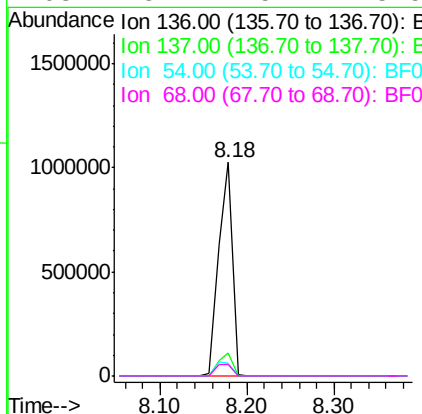
RT: 8.18 min Scan# 533

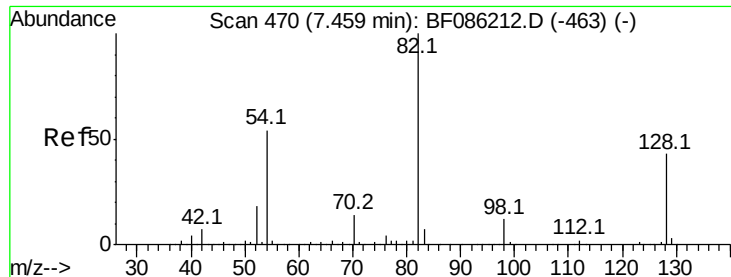
Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:	136	Resp:	1157146
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.8	7.3	10.9#
68	5.2	5.7	8.5#





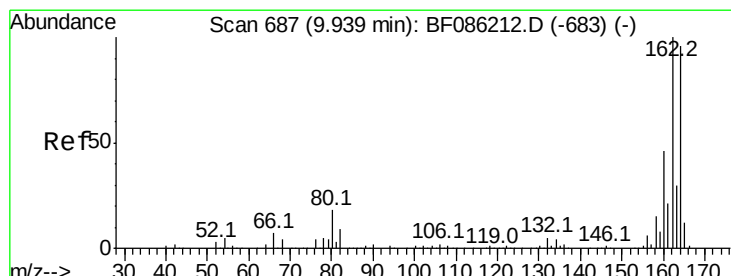
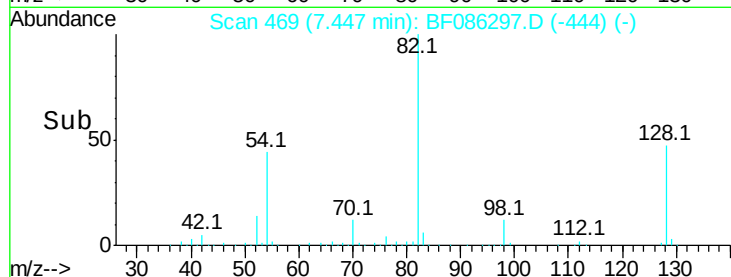
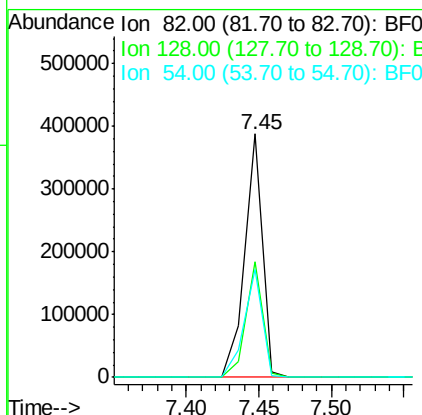
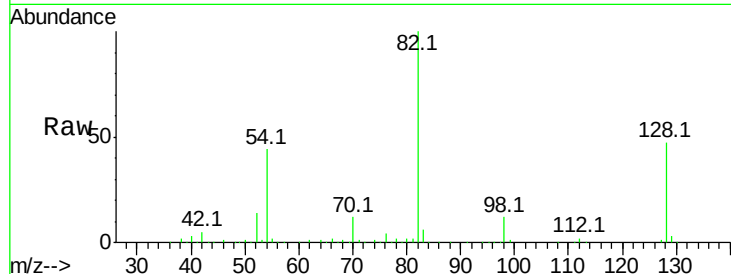
#23
 Nitrobenzene-d5
 Concen: 16.47 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Instrument :
 BNA_F
 ClientSampleID :
 305-1(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	35.4	53.2
54	44.2	43.4	65.0

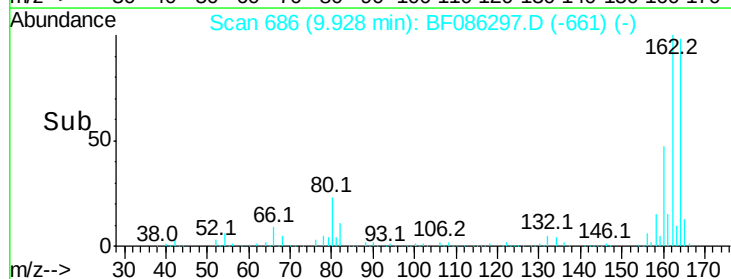
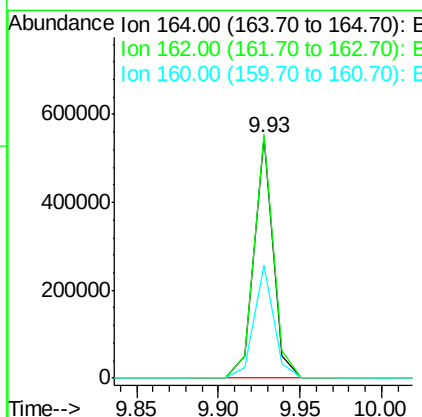
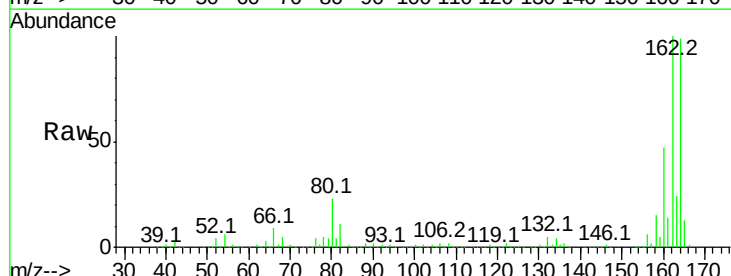
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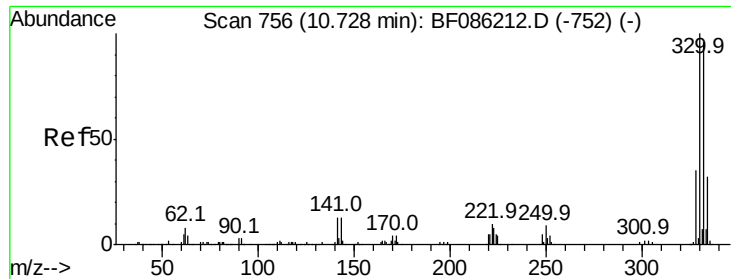
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.8	124.2
160	47.0	38.9	58.3





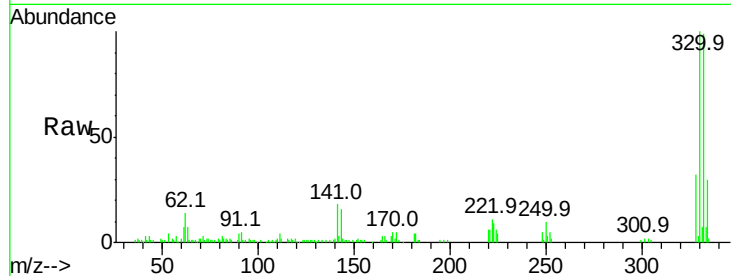
#41
 2,4,6-Tribromophenol
 Concen: 20.92 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Instrument :
 BNA_F
 ClientSampled :
 305-1(0-2)

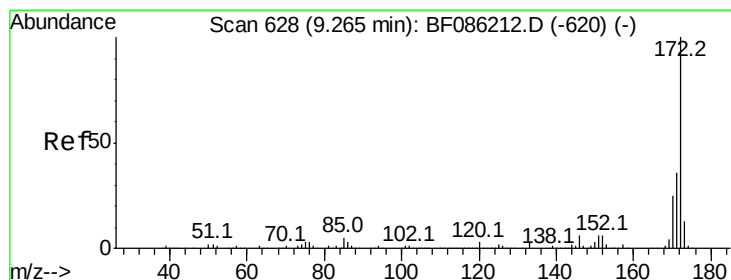
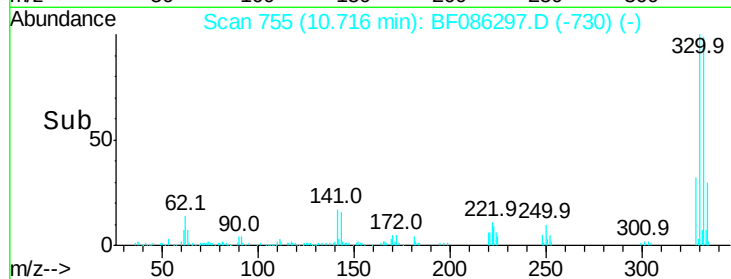
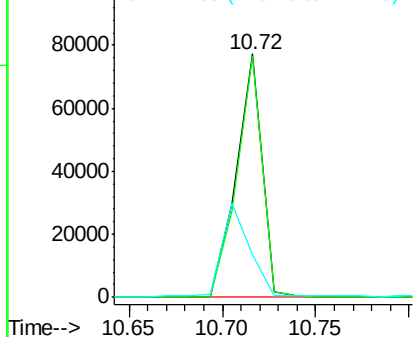
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.7	118.1
141	44.2	28.6	42.8

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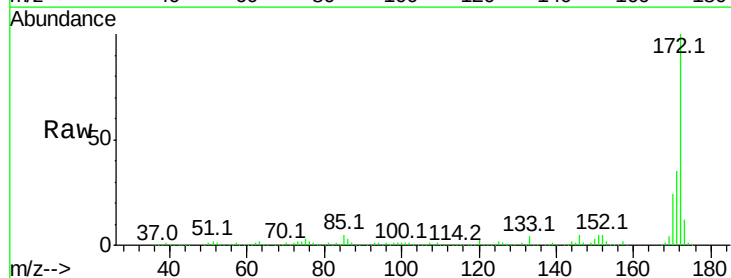


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

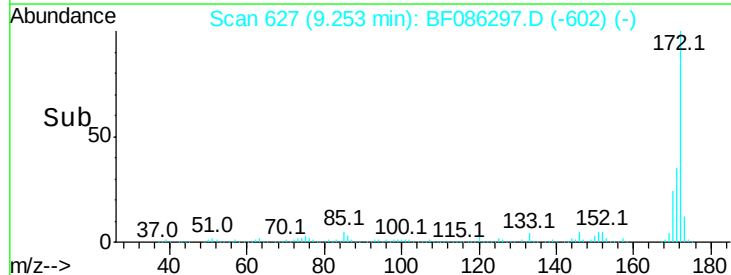
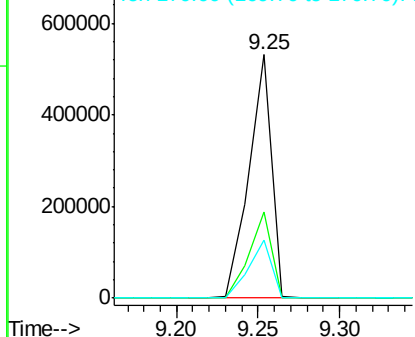


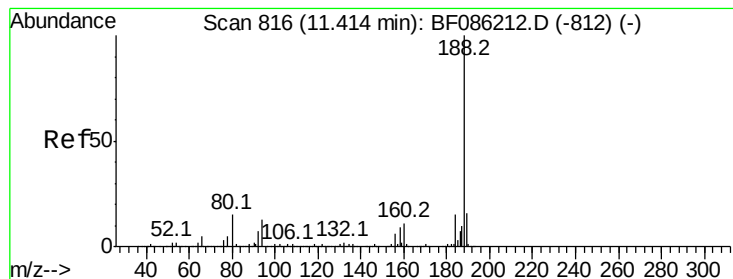
#44
 2-Fluorobiphenyl
 Concen: 21.14 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.1	43.7
170	24.0	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

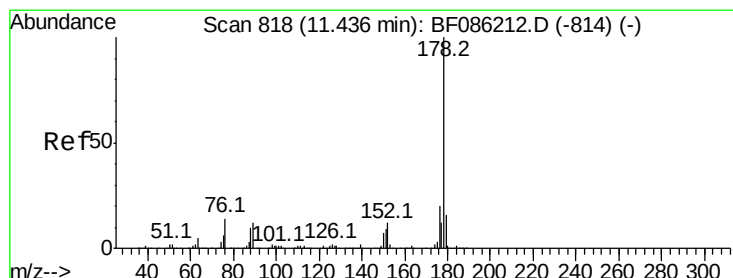
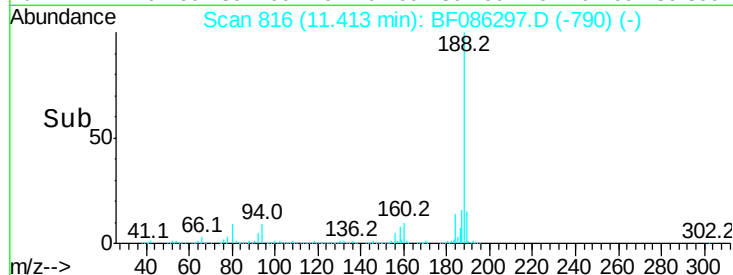
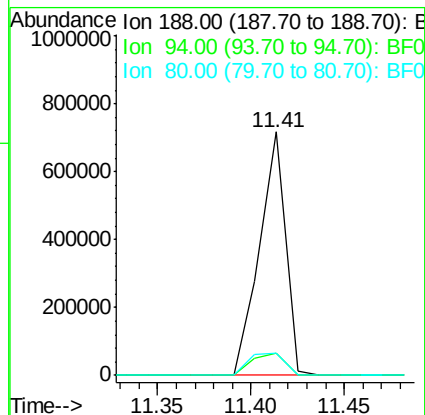
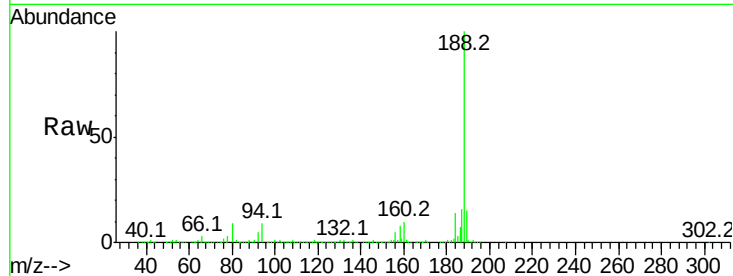
ClientSampleId :

305-1(0-2)

Tot Ion:188	Resp: 692207
Ion Ratio	Lower Upper
188 100	
94 8.9	9.8 14.8#
80 9.2	10.5 15.7#

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#70

Phenanthrene

Concen: 5.38 ng

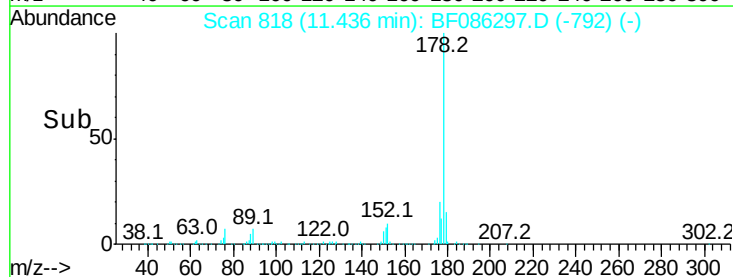
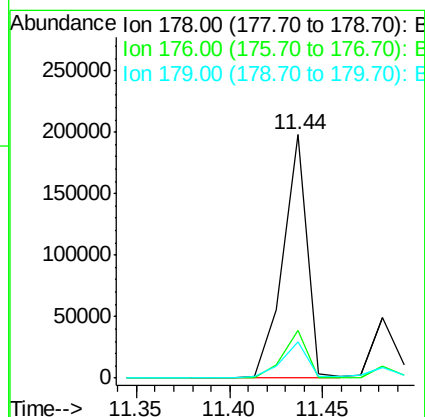
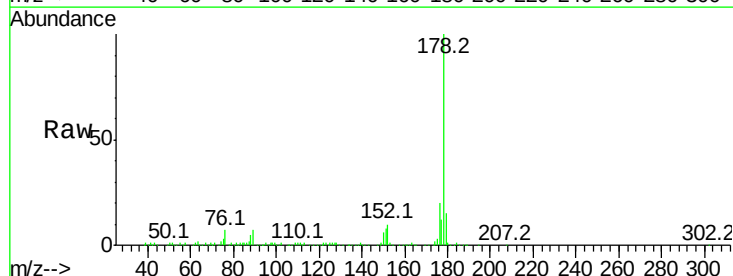
RT: 11.44 min Scan# 818

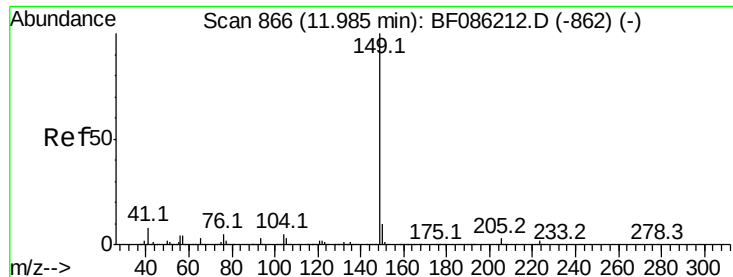
Delta R.T. 0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:178	Resp: 177784
Ion Ratio	Lower Upper
178 100	
176 19.7	16.3 24.5
179 14.7	13.0 19.6





#73

Di-n-butylphthalate

Concen: 3.17 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

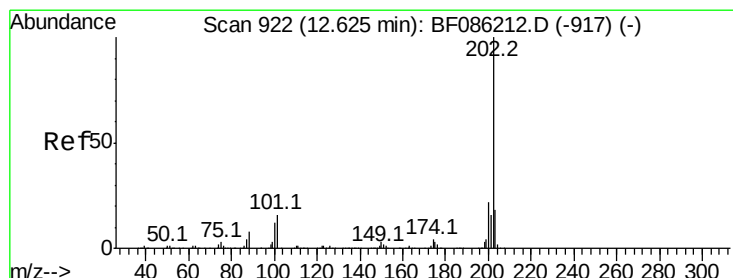
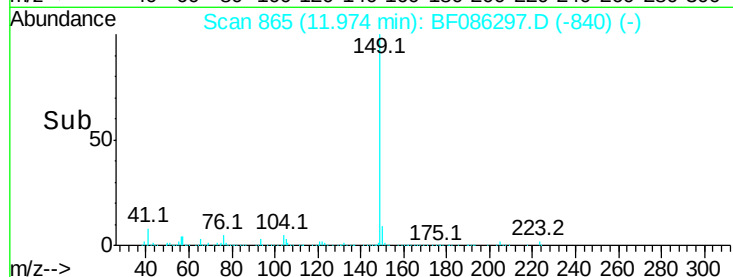
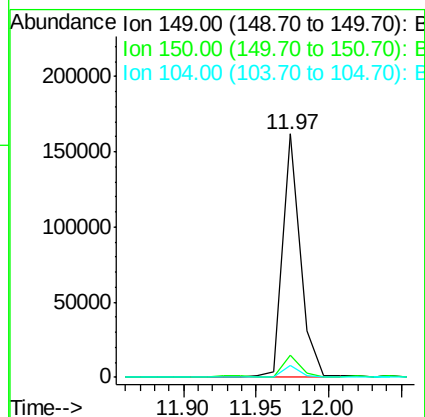
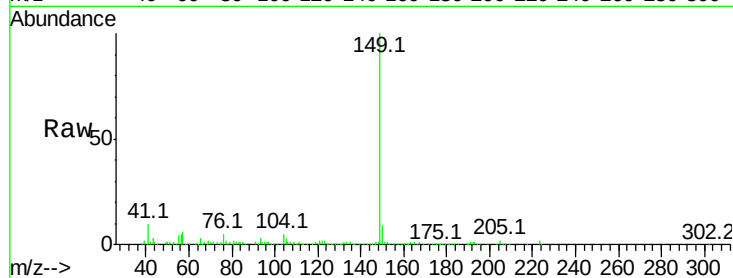
305-1(0-2)

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Tot Ion:	149	Resp:	134685
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.8	11.8
104	5.0	4.1	6.1



#74

Fluoranthene

Concen: 3.89 ng

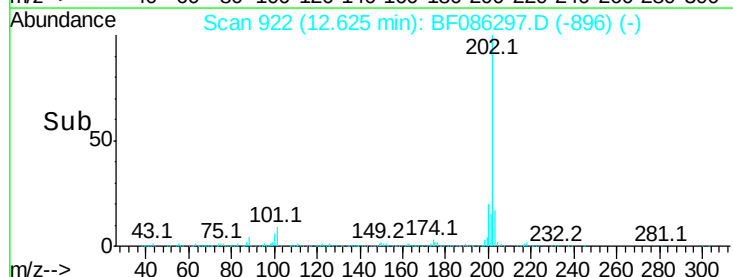
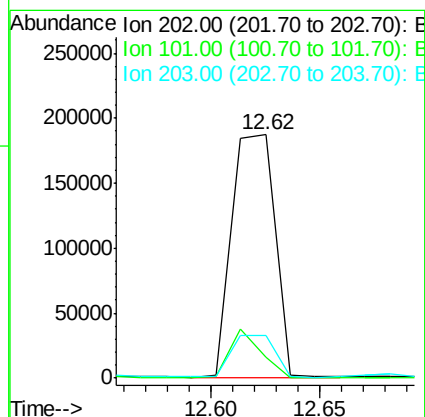
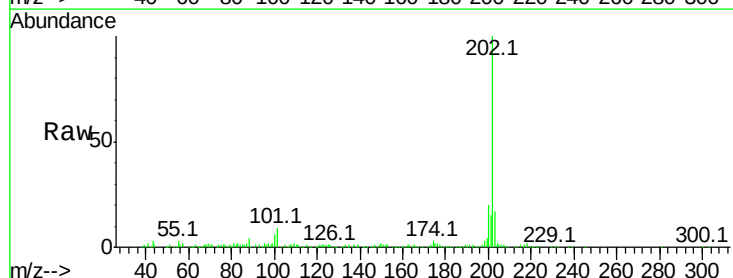
RT: 12.62 min Scan# 922

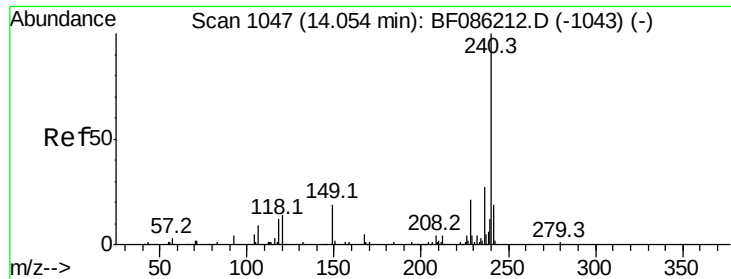
Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:	202	Resp:	257102
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	35.2
203	17.4	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: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

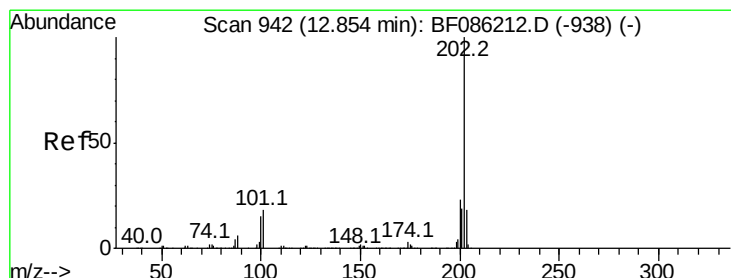
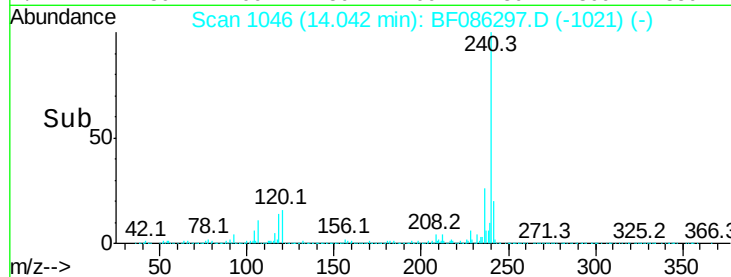
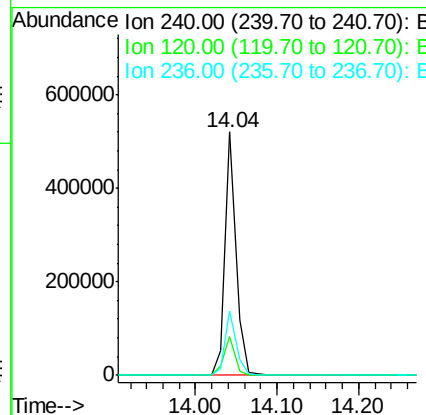
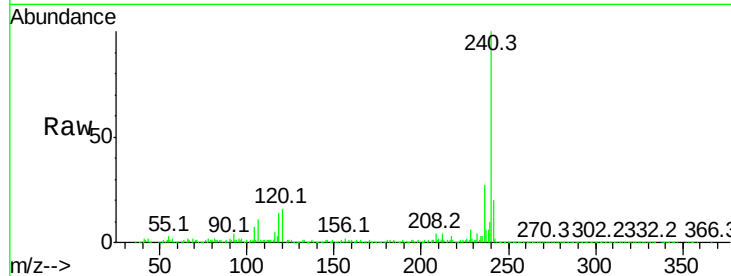
ClientSampleId :

305-1(0-2)

Tot Ion:	240	Resp:	483132
Ion Ratio	Lower	Upper	
240	100		
120	16.1	9.3	13.9#
236	26.5	21.1	31.7

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#77

Pyrene

Concen: 6.28 ng

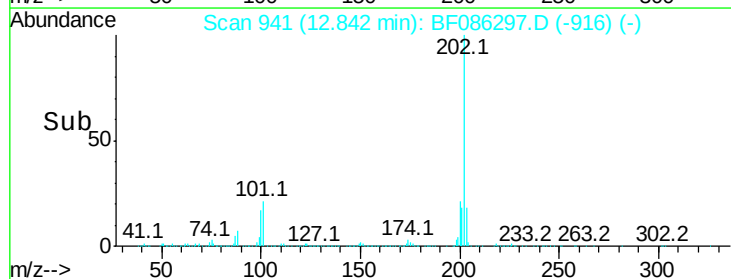
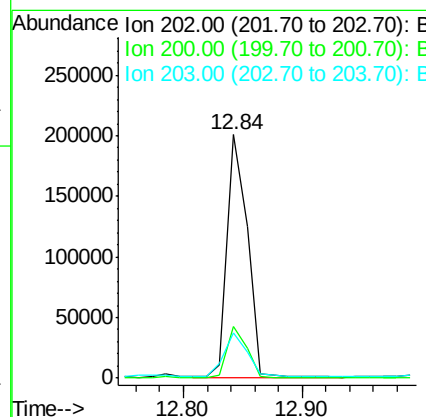
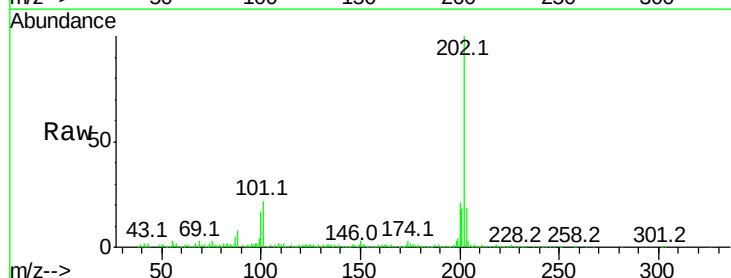
RT: 12.84 min Scan# 941

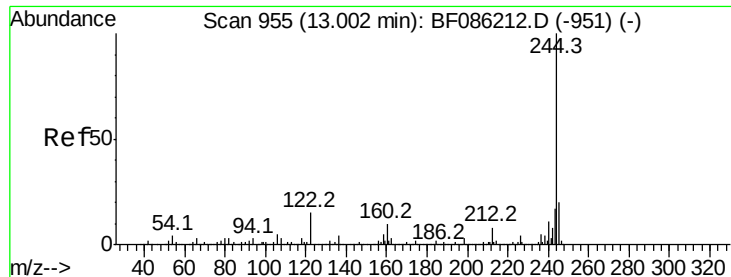
Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:	202	Resp:	232940
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.3	27.5
203	18.8	14.9	22.3





#78

Terphenyl-d14

Concen: 18.03 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

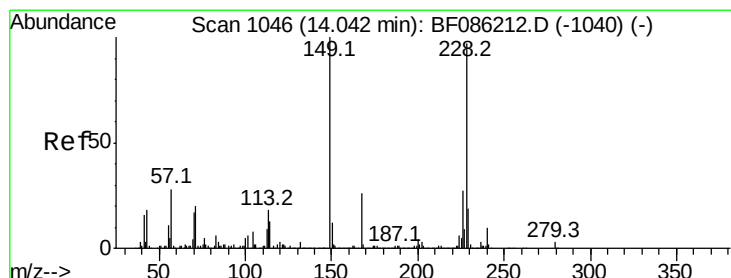
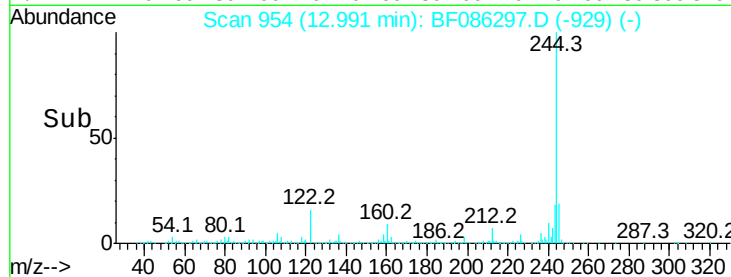
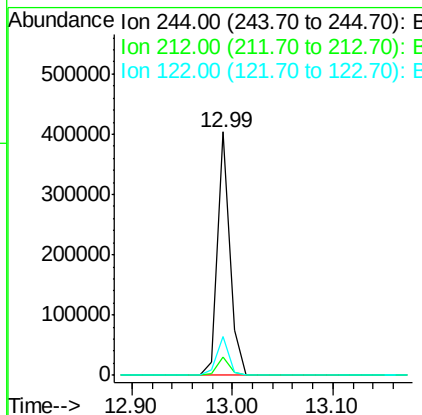
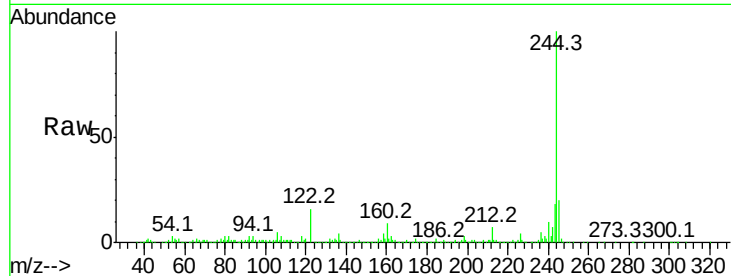
ClientSampled :

305-1(0-2)

Tot Ion:	244	Resp:	346408
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.4	9.6
122	15.7	11.7	17.5

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#80

Benzo(a)anthracene

Concen: 4.57 ng

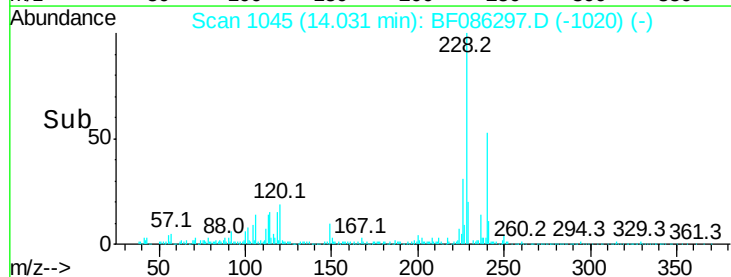
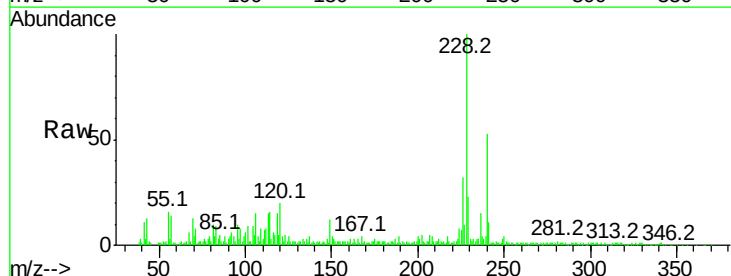
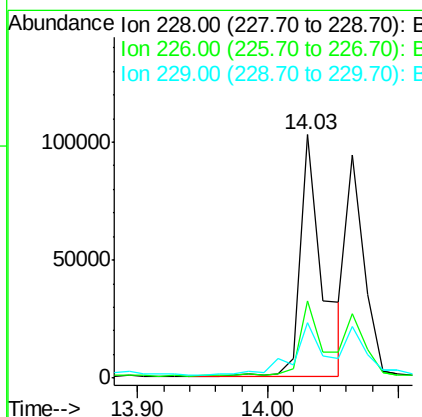
RT: 14.03 min Scan# 1045

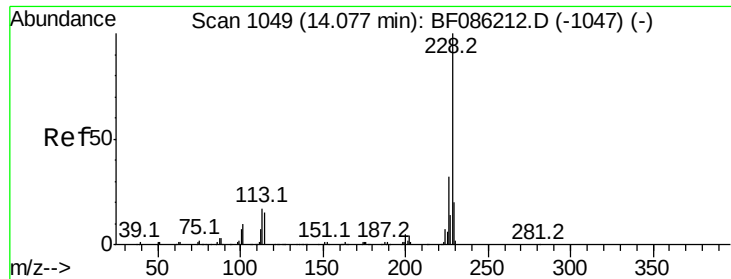
Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:	228	Resp:	121158
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.5	33.7
229	22.6	16.2	24.2





#82

Chrysene

Concen: 3.18 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

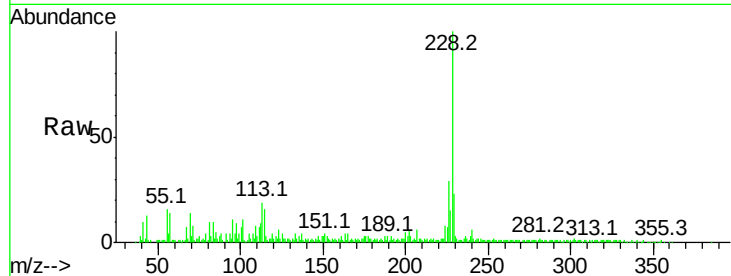
ClientSampleId :

305-1(0-2)

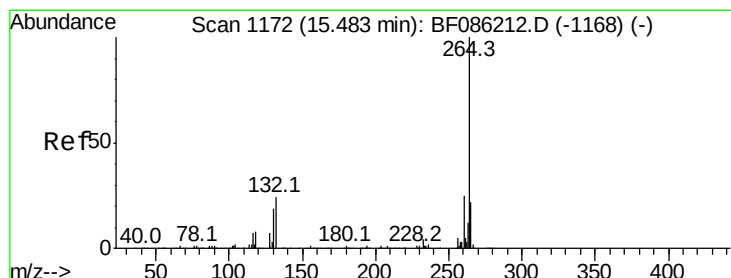
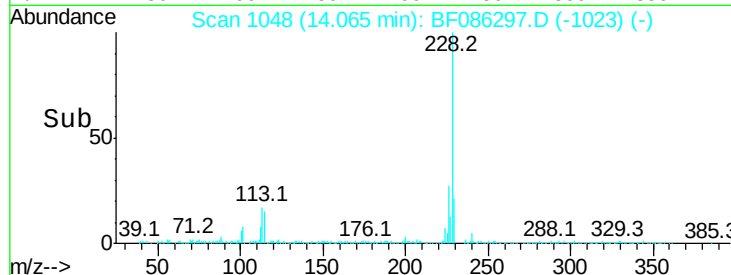
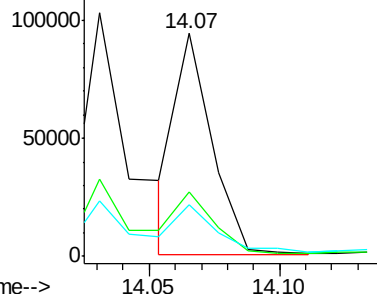
Tot Ion:	228	Resp:	89958
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.4	38.2
229	23.0	16.5	24.7

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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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

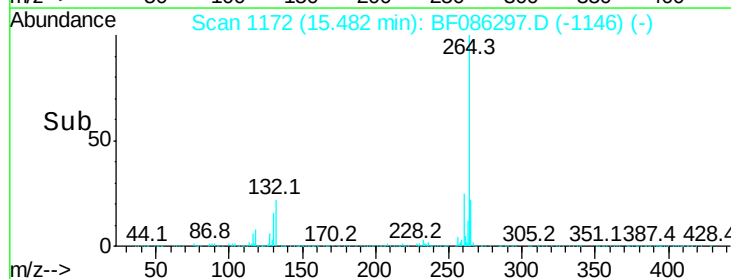
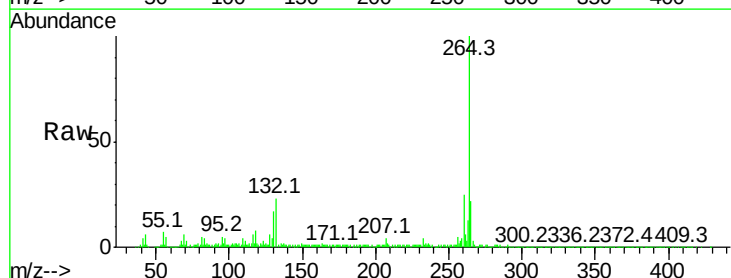
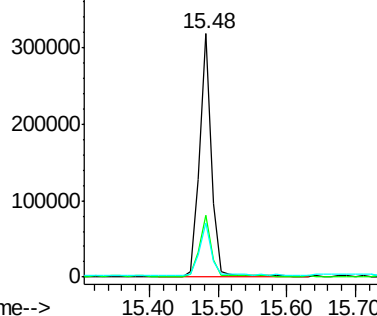
Delta R.T. -0.00 min

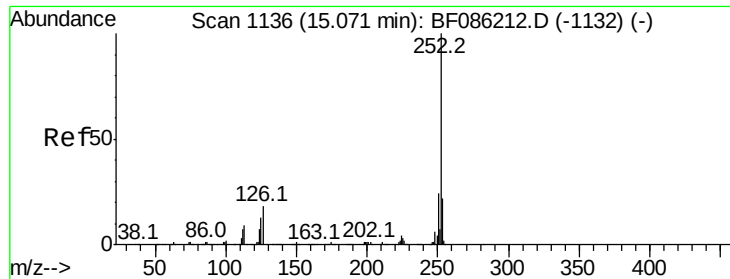
Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion:	264	Resp:	389994
Ion Ratio	Lower	Upper	
264	100		
260	25.4	20.0	30.0
265	22.0	17.4	26.0

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





#87

Benzo(b)fluoranthene

Concen: 4.68 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

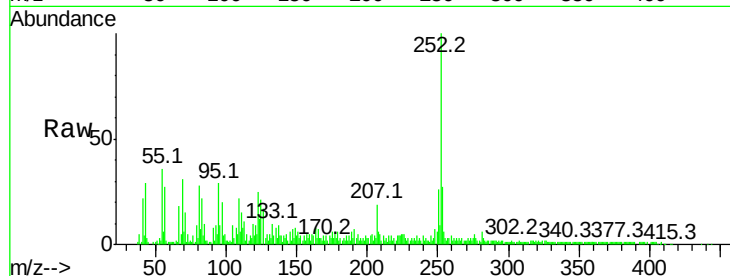
ClientSampleId :

305-1(0-2)

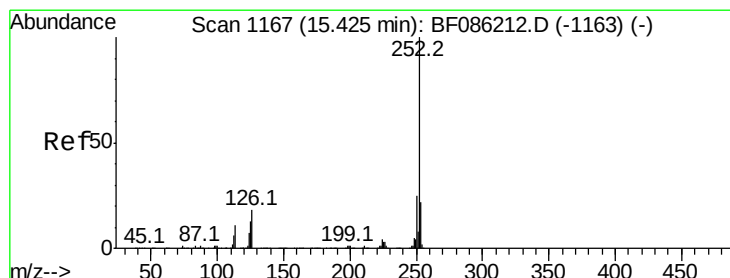
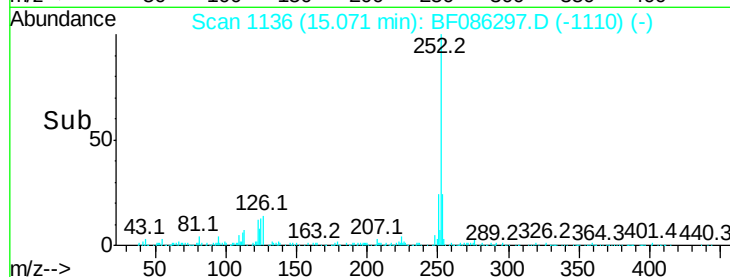
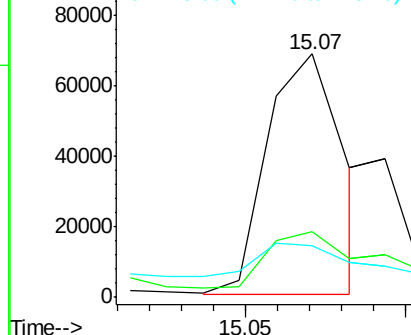
Tot Ion:	252	Resp:	112488
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.7	26.5#
125	21.2	10.3	15.5#

Manual Integrations
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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



#89

Benzo(a)pyrene

Concen: 3.43 ng

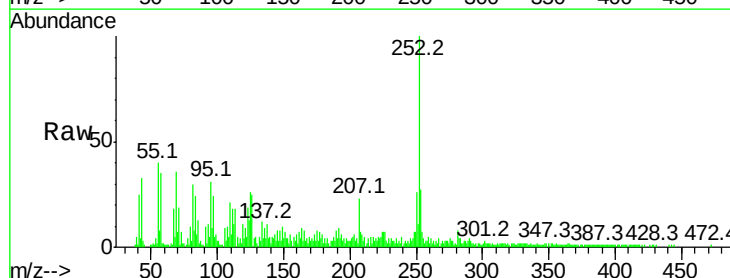
RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

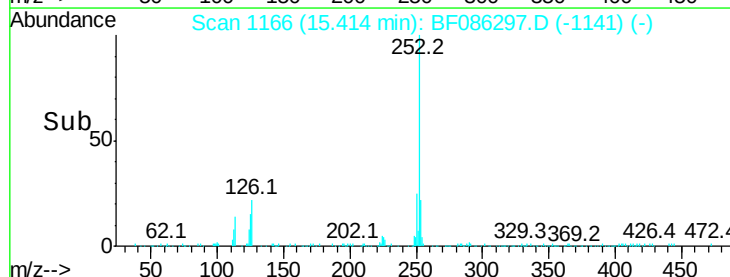
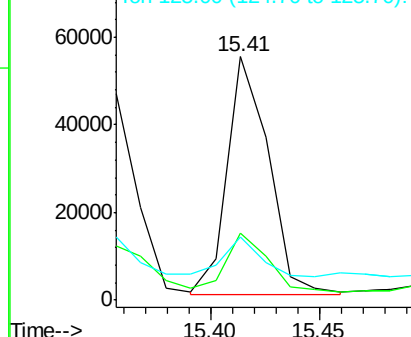
Lab File: BF086297.D

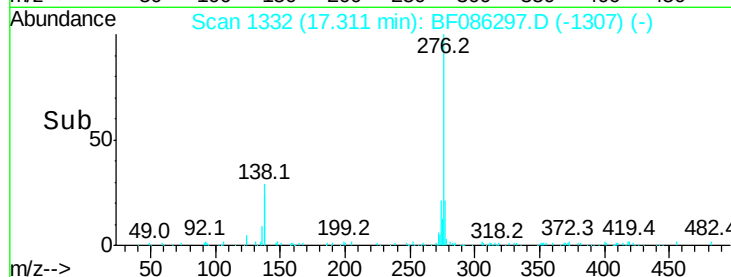
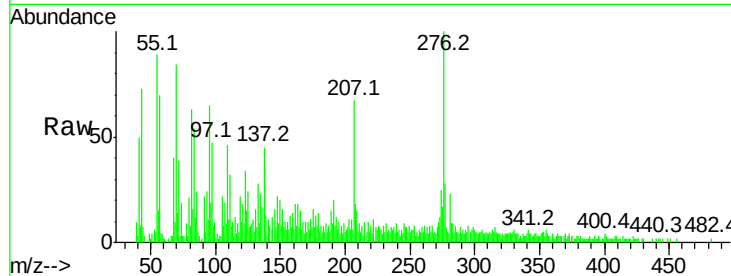
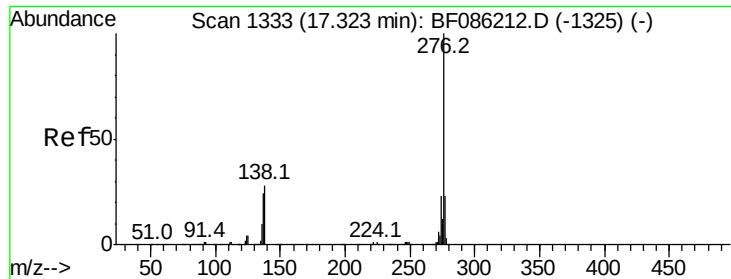
Acq: 18 Apr 2016 22:29

Tgt Ion:	252	Resp:	71543
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.8	26.8#
125	26.0	11.2	16.8#



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.10 ng
 RT: 17.31 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 305-1(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.0	28.6
138	35.4	19.6	29.4

Manual Integrations
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