

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
 Data File : BF088486.D
 Acq On : 28 Jun 2016 18:40
 Operator : UM/SJ
 Sample : H3629-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(5-7)RE

Manual Integrations
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Quant Time: Jun 29 11:21:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	90890	20.00	ng	-0.02
21) Naphthalene-d8	7.84	136	245320	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	75175	20.00	ng	0.03
63) Phenanthrene-d10	11.08	188	207813	20.00	ng	0.02
75) Chrysene-d12	13.67	240	233960	20.00	ng	-0.02
86) Perylene-d12	15.02	264	190485	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	558624	105.07	ng	-0.03
7) Phenol-d6	6.19	99	746261	115.82	ng	-0.03
23) Nitrobenzene-d5	7.11	82	426383	101.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	101377	127.72	ng	0.03
44) 2-Fluorobiphenyl	8.94	172	437811	91.94	ng	0.01
78) Terphenyl-d14	12.63	244	635560	61.82	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.57	142	331795	41.47	ng	# 84
57) Fluorene	10.16	166	215411	48.31	ng	# 70
70) Phenanthrene	11.11	178	376537	34.53	ng	# 92
74) Fluoranthene	12.27	202	127701	11.10	ng	# 93
77) Pyrene	12.49	202	174905	10.07	ng	# 95
80) Benzo(a)anthracene	13.67	228	37032	2.78	ng	# 85
82) Chrysene	13.70	228	37281m	2.97	ng	
83) Bis(2-ethylhexyl)phthalate	13.65	149	33817	3.62	ng	# 89
87) Benzo(b)fluoranthene	14.67	252	29140m	2.19	ng	

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

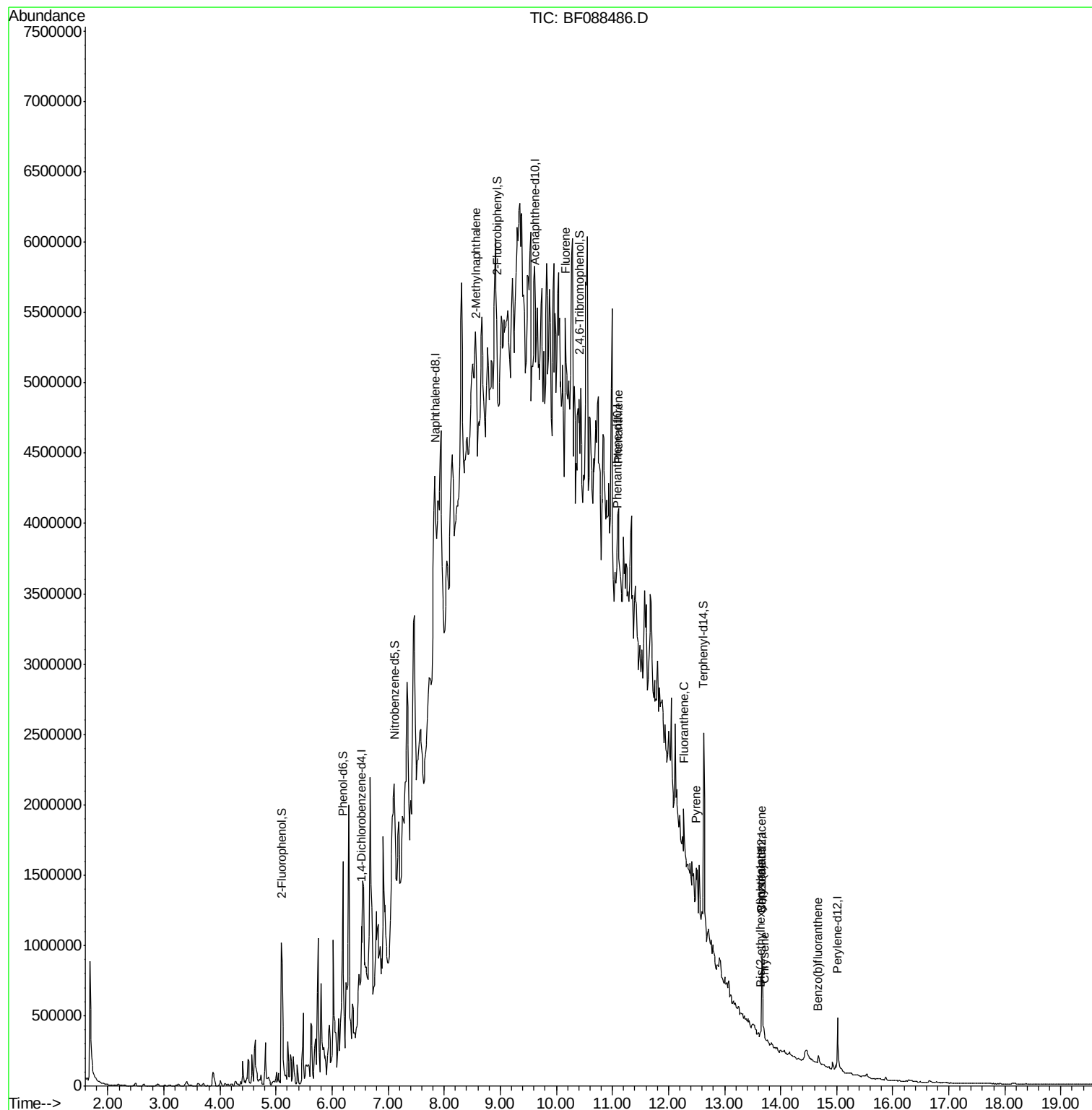
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088486.D
Acq On : 28 Jun 2016 18:40
Operator : UM/SJ
Sample : H3629-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

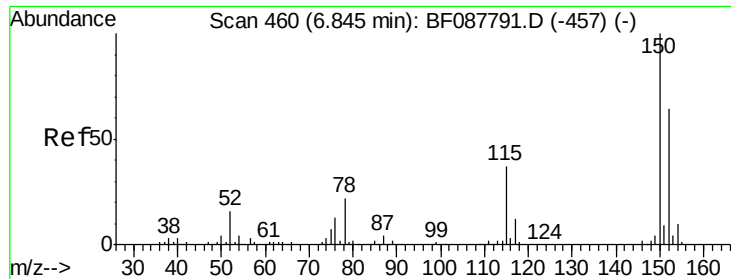
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Manual Integrations
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Quant Time: Jun 29 11:21:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

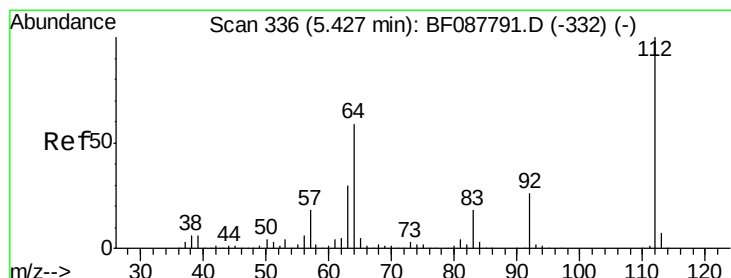
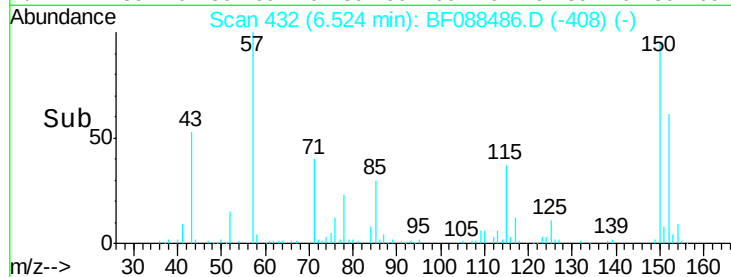
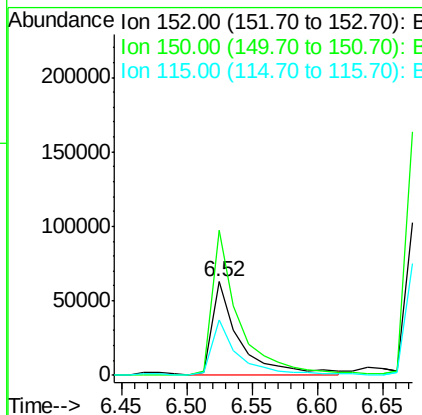
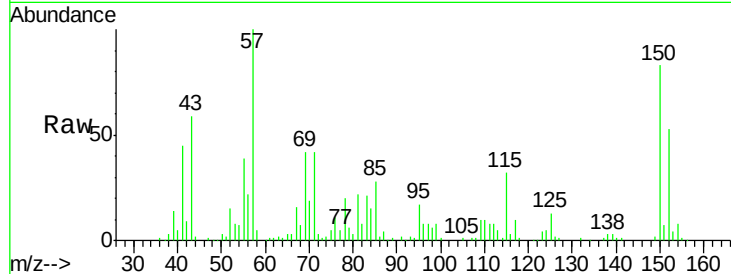
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.6
115	59.8	39.6	59.4

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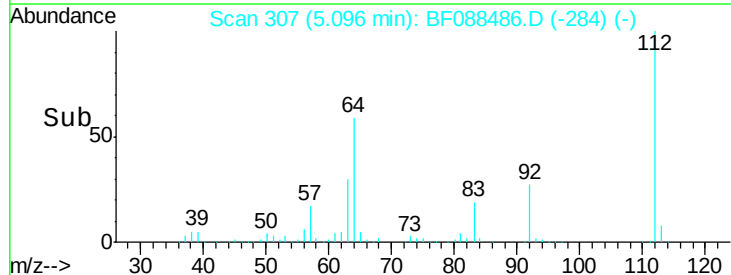
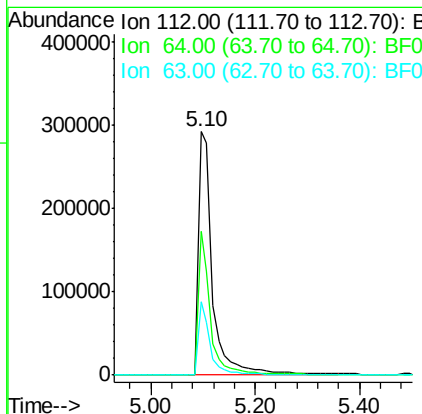
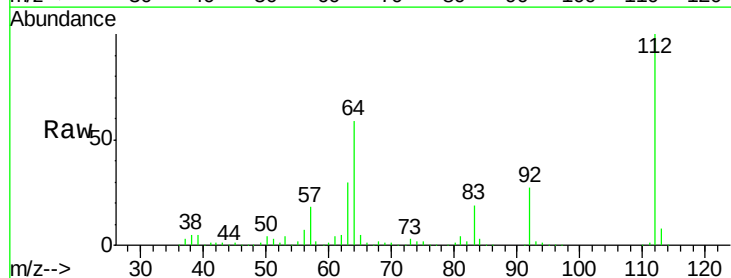
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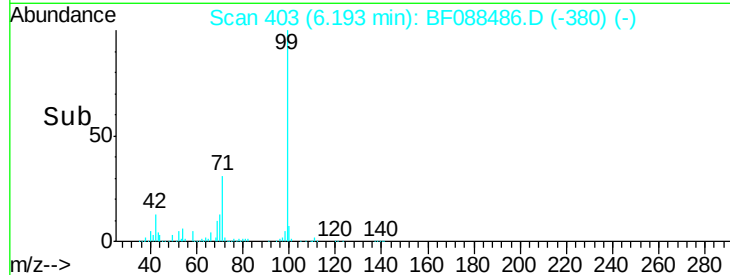
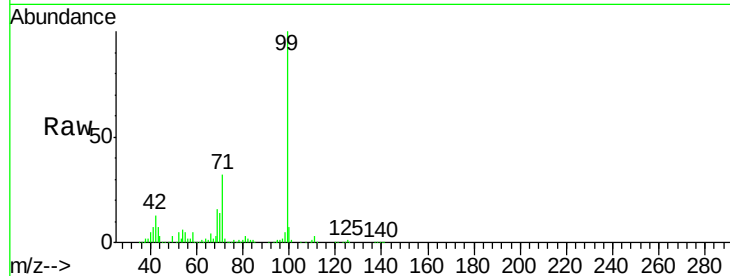
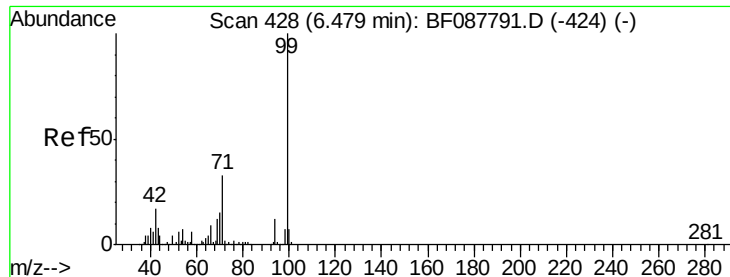


#5

2-Fluorophenol
Concen: 105.07 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.03 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	42.2	63.2
63	30.3	21.8	32.8





#7

Phenol-d6

Concen: 115.82 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF088486.D

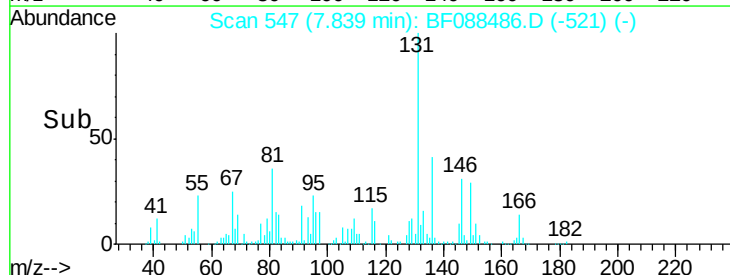
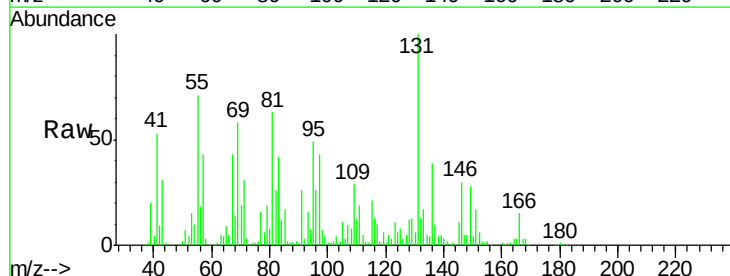
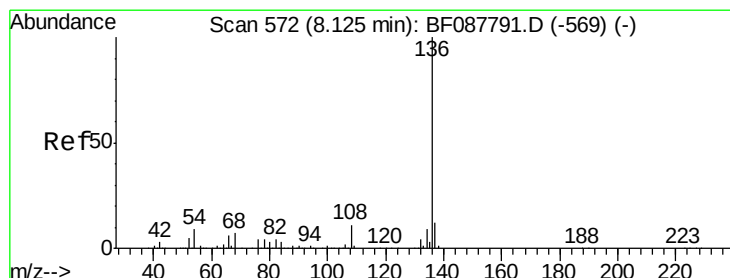
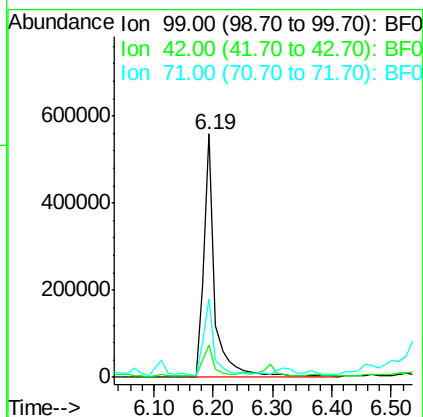
Acq: 28 Jun 2016 18:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		746261		
42	13.5	12.2	18.2		
71	32.3	23.4	35.0		

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

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#21

Naphthalene-d8

Concen: 20.00 ng

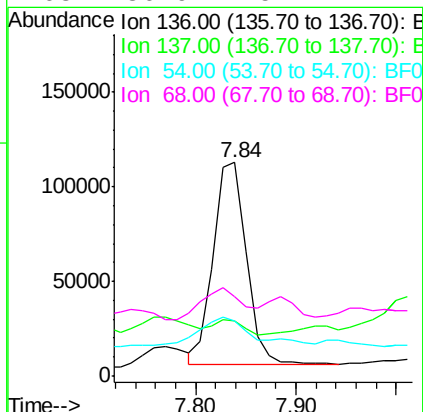
RT: 7.84 min Scan# 547

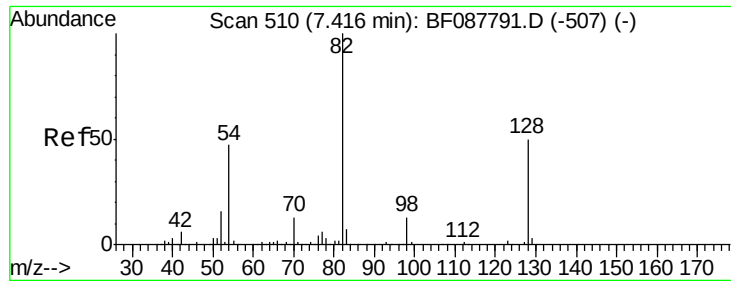
Delta R.T. -0.00 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		245320		
137	25.7	9.1	13.7#		
54	25.7	6.6	10.0#		
68	36.9	5.1	7.7#		





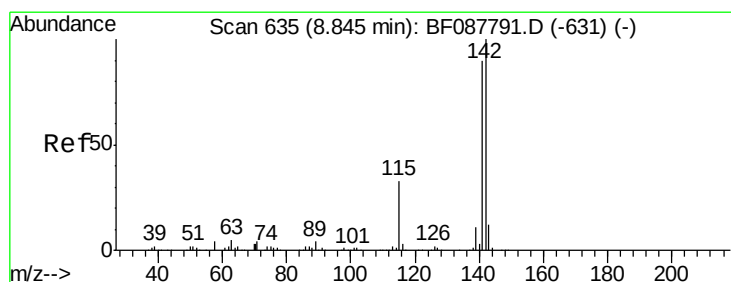
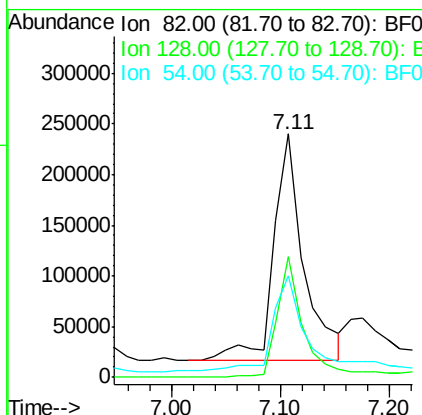
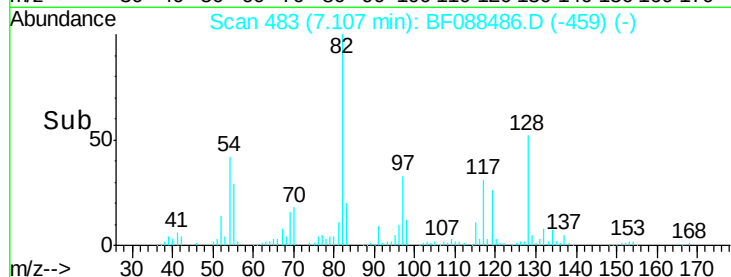
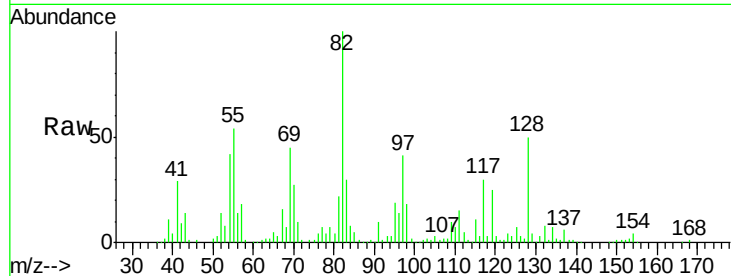
#23
 Nitrobenzene-d5
 Concen: 101.49 ng
 RT: 7.11 min Scan# 483
 Delta R.T. -0.02 min
 Lab File: BF088486.D
 Acq: 28 Jun 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(5-7)RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	35.9	53.9
54	41.5	40.9	61.3

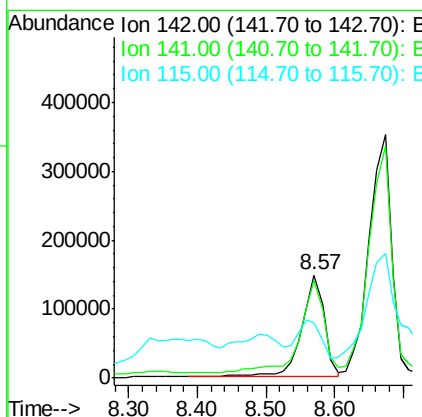
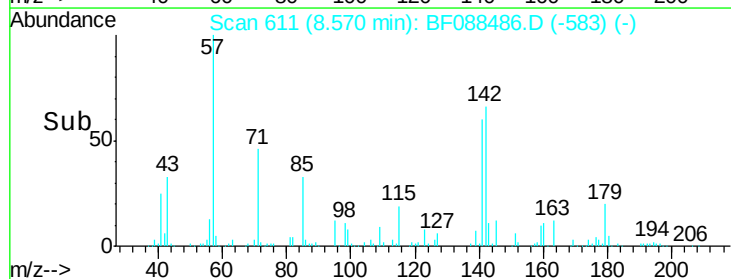
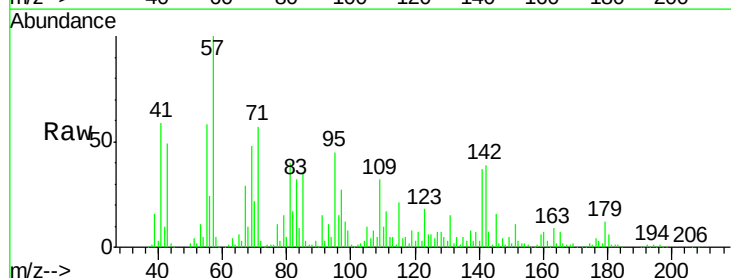
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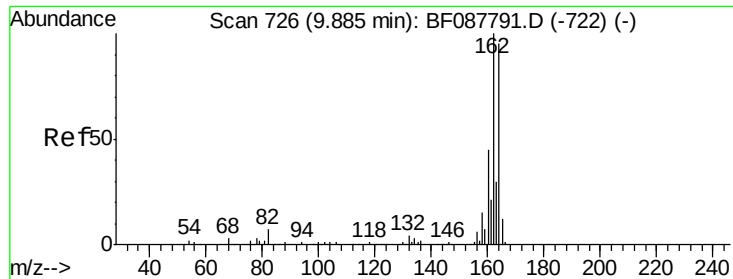
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#37
 2-Methylnaphthalene
 Concen: 41.47 ng
 RT: 8.57 min Scan# 611
 Delta R.T. 0.02 min
 Lab File: BF088486.D
 Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	71.0	106.6
115	54.3	22.6	33.8#





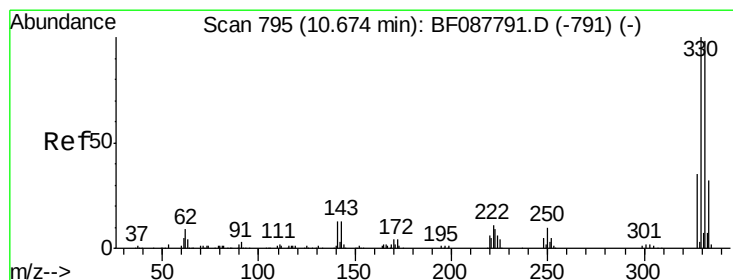
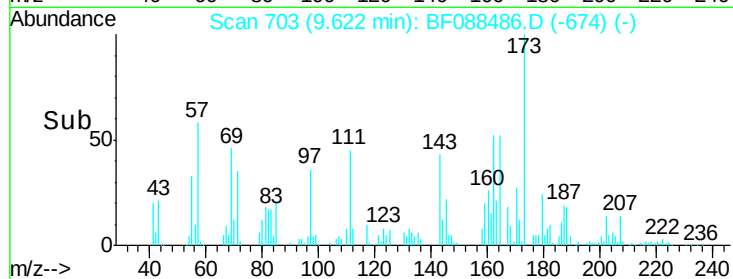
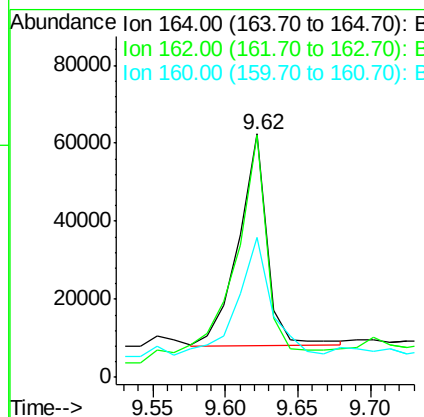
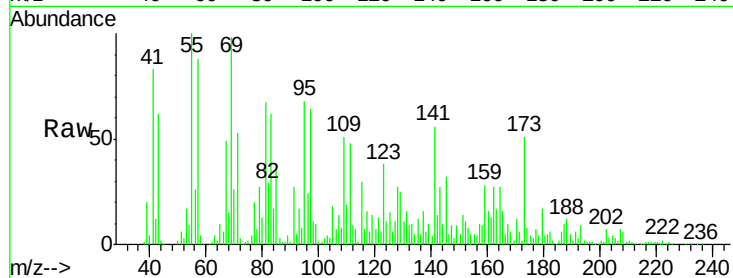
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.03 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	85.4	128.2
160	57.5	39.5	59.3

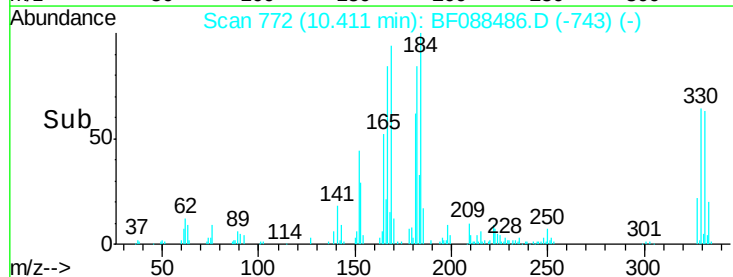
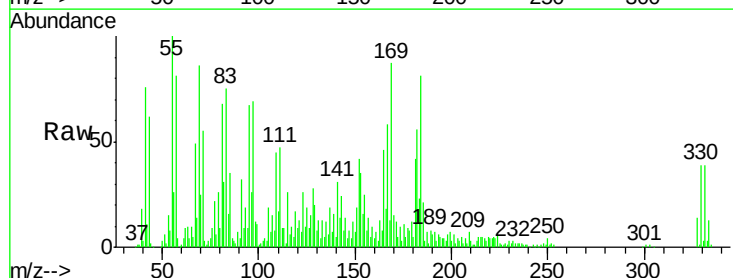
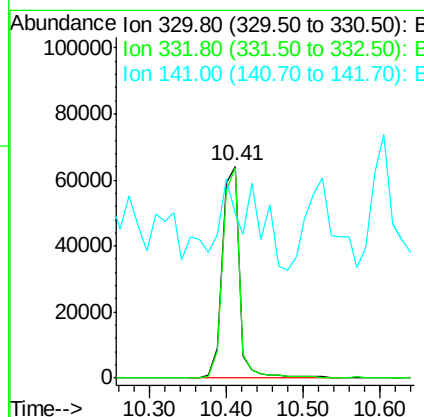
Manual Integrations
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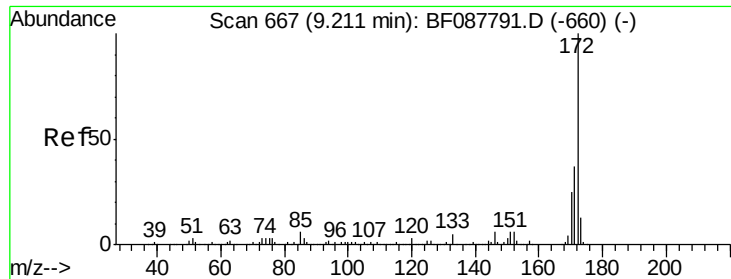
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#41
2,4,6-Tribromophenol
Concen: 127.72 ng
RT: 10.41 min Scan# 772
Delta R.T. 0.03 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	29.6	0.0	0.0#





#44

2-Fluorobiphenyl

Concen: 91.94 ng

RT: 8.94 min Scan# 643

Delta R.T. 0.01 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Instrument :

BNA_F

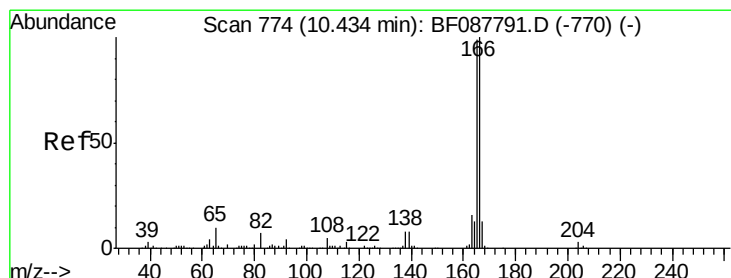
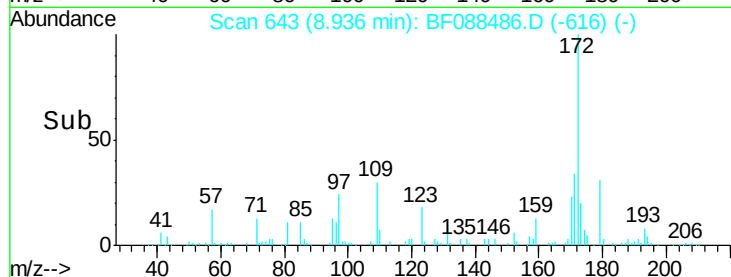
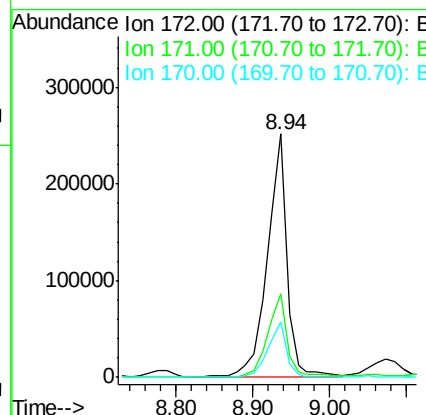
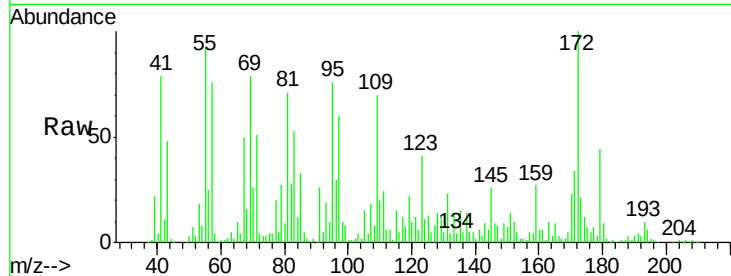
ClientSampleId :

LOCATION-5B(5-7)RE

Tot Ion:	172	Resp:	437811
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.6	43.0
170	23.0	19.2	28.8

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#57

Fluorene

Concen: 48.31 ng

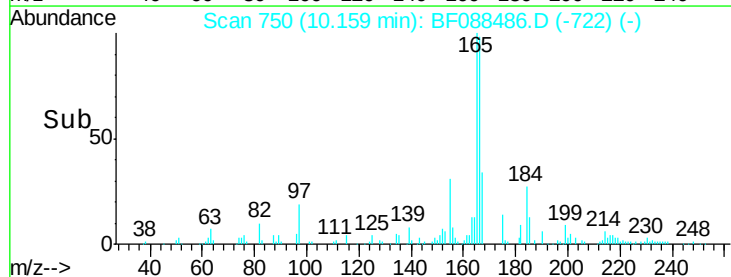
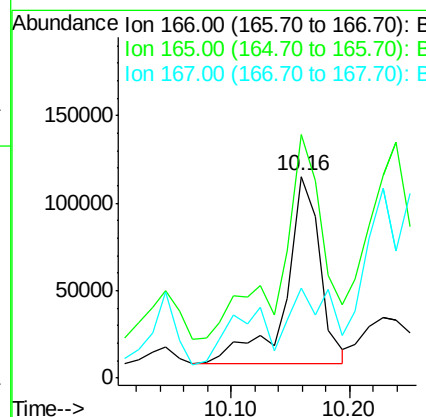
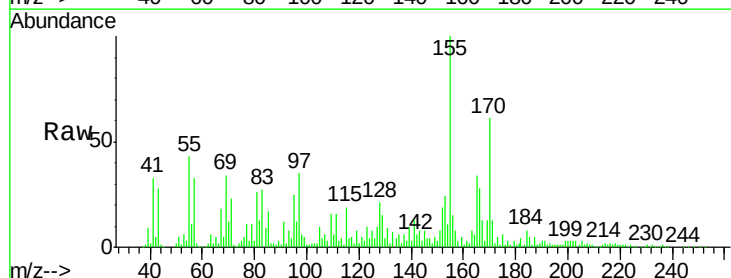
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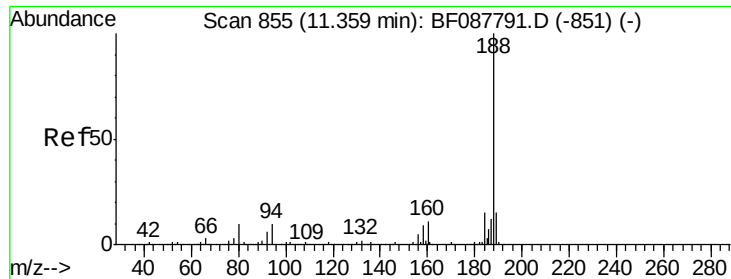
Delta R.T. 0.02 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Tgt Ion:	166	Resp:	215411
Ion Ratio	Lower	Upper	
166	100		
165	120.9	77.8	116.8#
167	44.5	11.2	16.8#





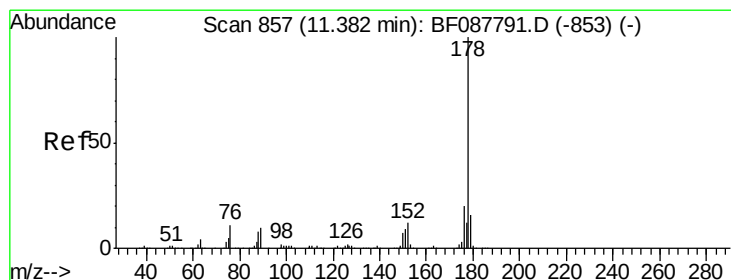
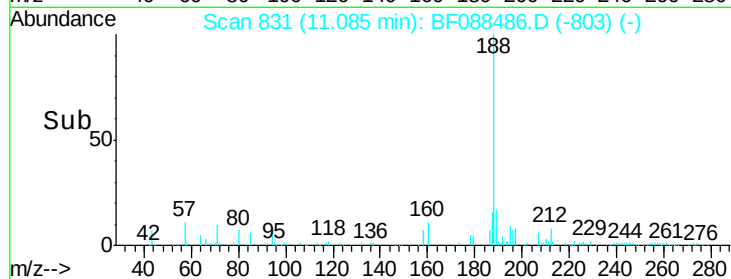
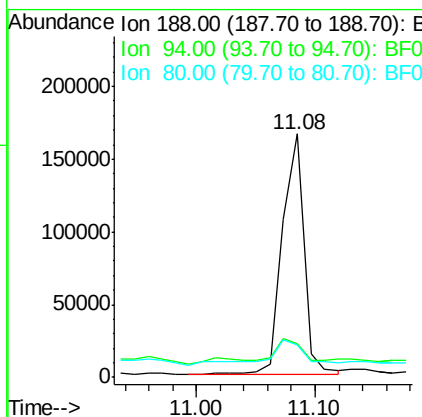
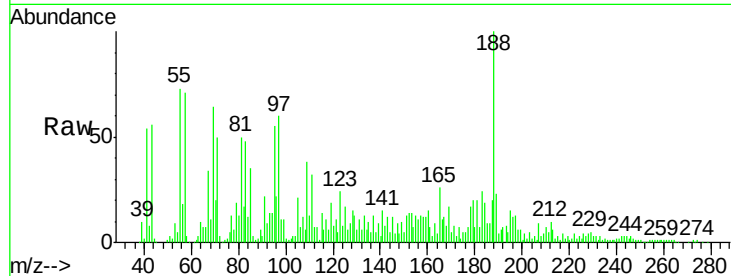
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. 0.02 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	207813		
94	13.8		9.0	13.6#
80	13.1		10.0	15.0

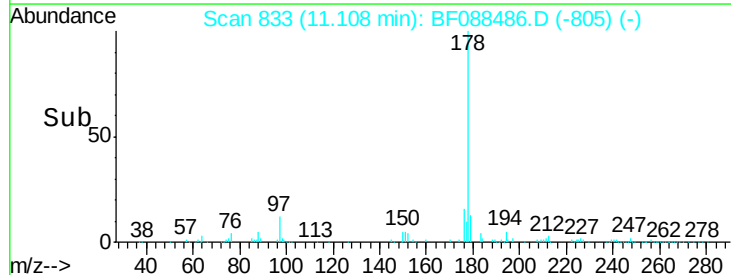
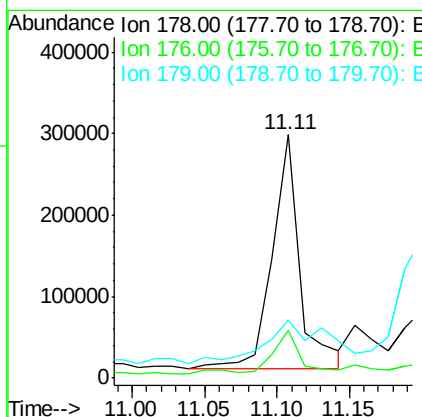
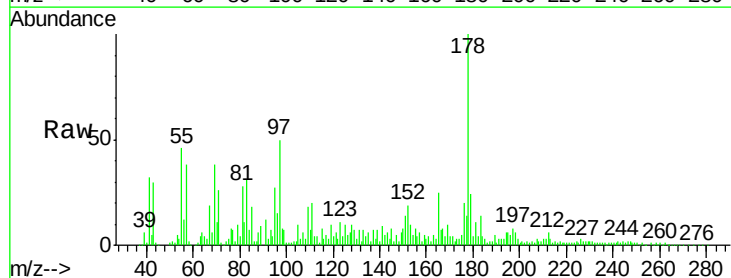
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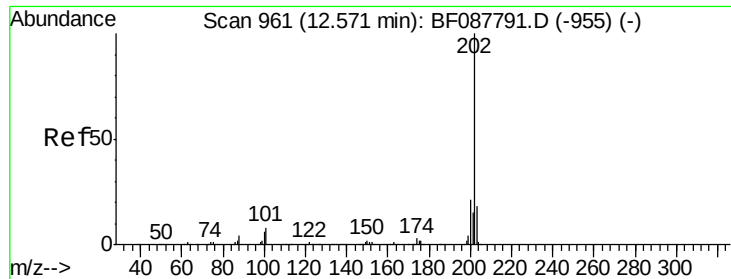
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#70
Phenanthrene
Concen: 34.53 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.02 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	376537		
176	19.8		15.8	23.6
179	23.6		13.0	19.4#





#74

Fluoranthene

Concen: 11.10 ng

RT: 12.27 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Instrument :

BNA_F

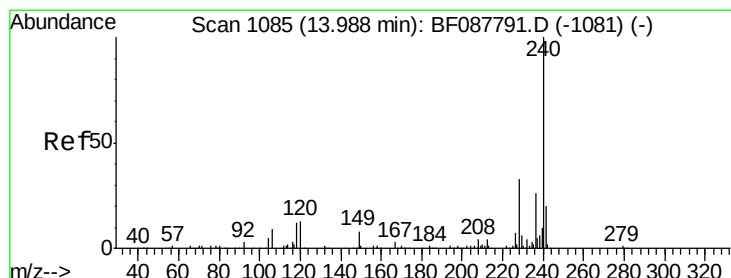
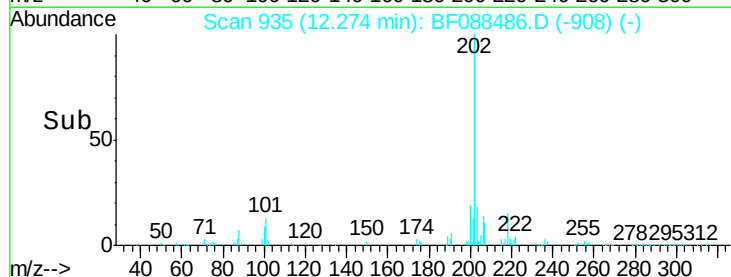
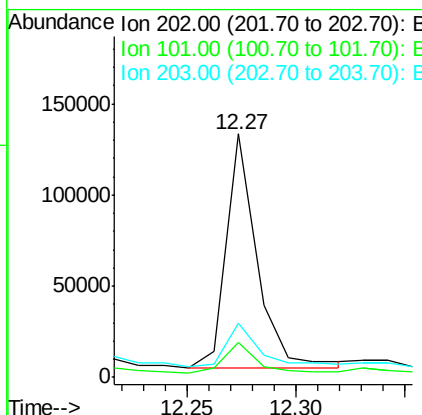
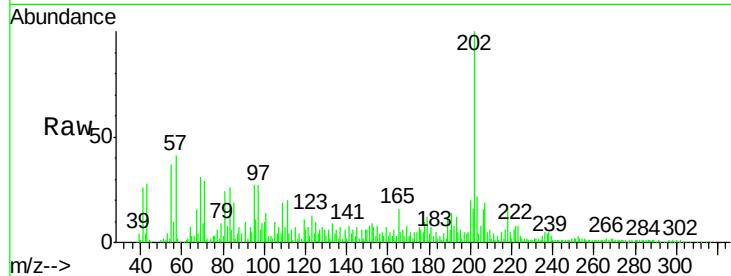
ClientSampleId :

LOCATION-5B(5-7)RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	127701		
101	14.4	0.0	33.1	
203	22.2	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

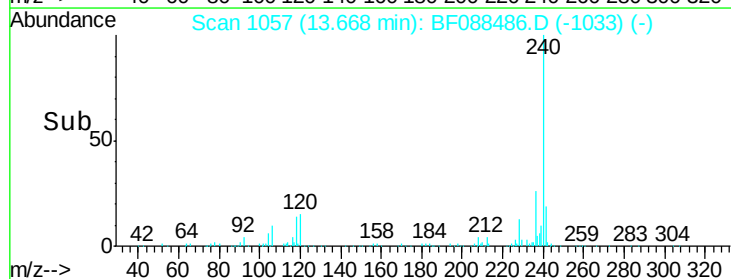
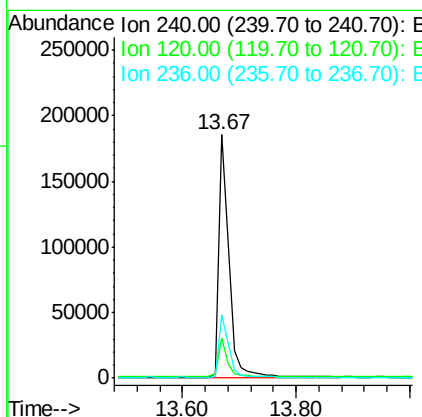
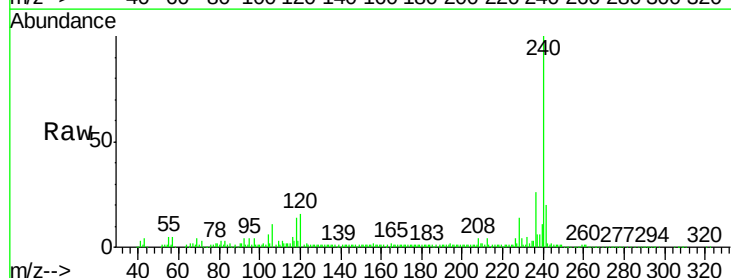
RT: 13.67 min Scan# 1057

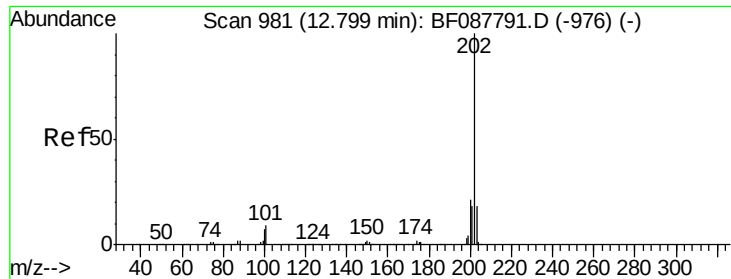
Delta R.T. -0.02 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	233960		
120	16.3	6.8	10.2#	
236	25.9	20.2	30.2	





#77

Pvrene

Concen: 10.07 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

Instrument :

BNA_F

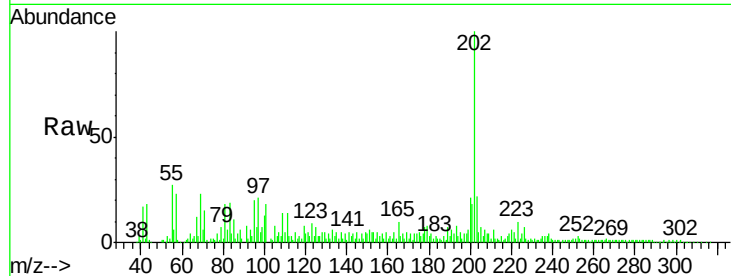
ClientSampleId :

LOCATION-5B(5-7)RE

Tot Ion:202	Resp:	174905
Ion Ratio	Lower	Upper
202 100		
200 21.2	17.4	26.2
203 22.3	14.5	21.7#

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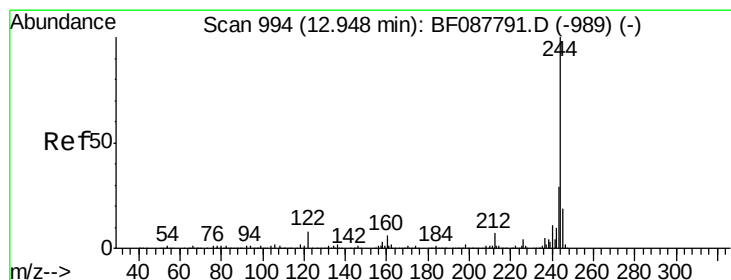
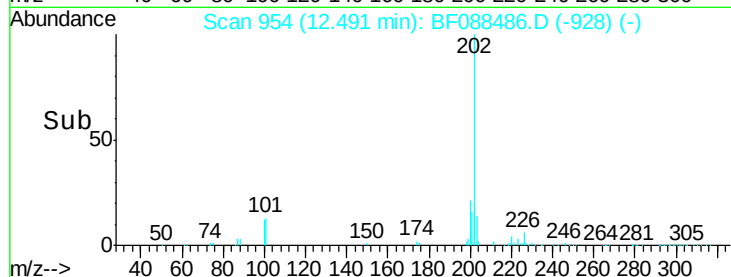
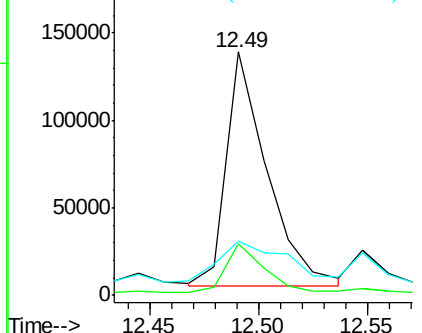
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.82 ng

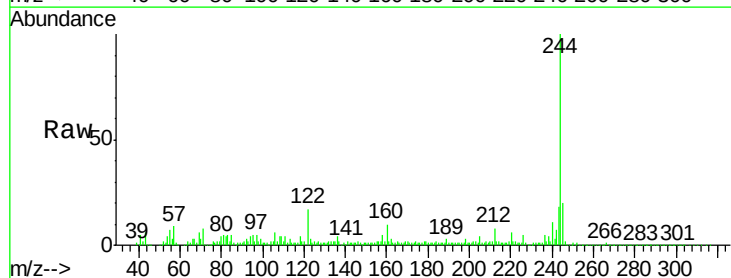
RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088486.D

Acq: 28 Jun 2016 18:40

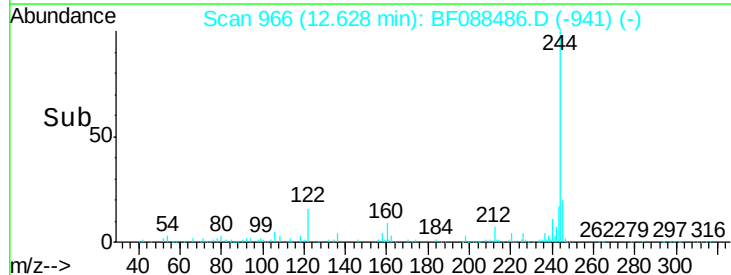
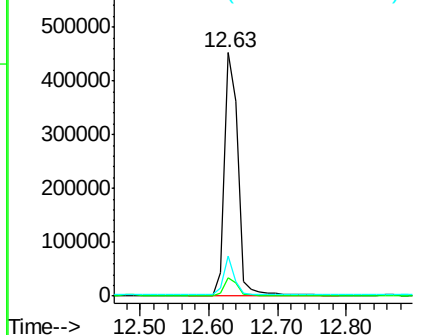
Tgt Ion:244	Resp:	635560
Ion Ratio	Lower	Upper
244 100		
212 7.7	6.0	9.0
122 16.5	11.2	16.8

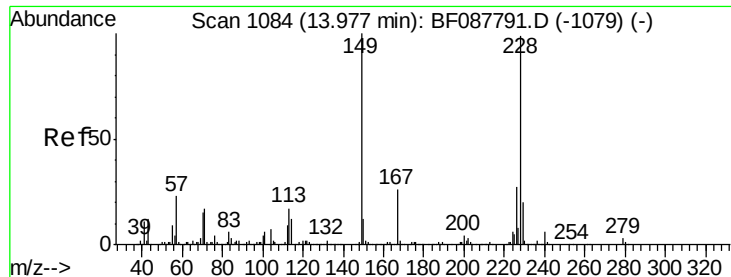


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





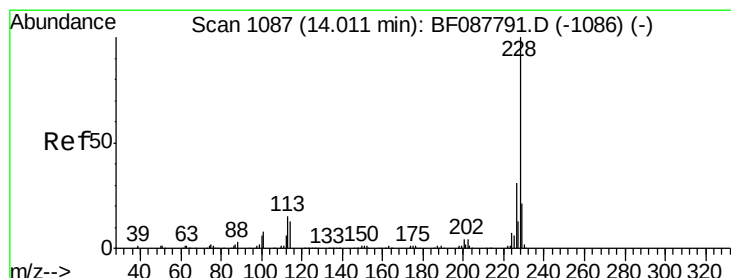
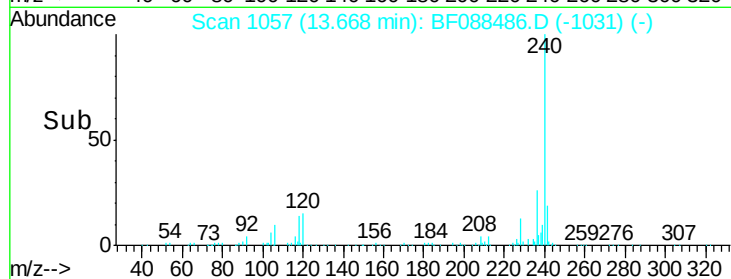
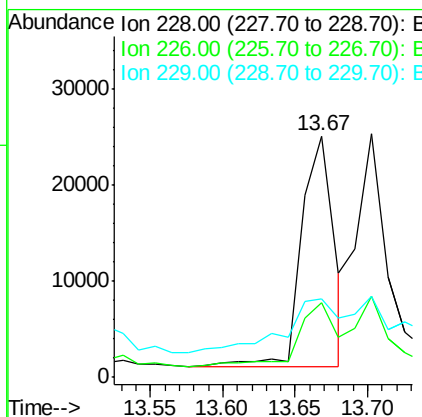
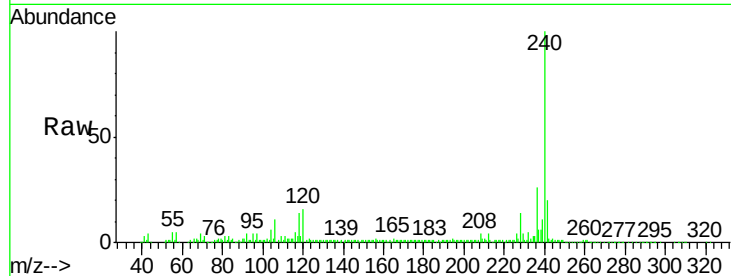
#80
Benzo(a)anthracene
Concen: 2.78 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	32.6	16.0	24.0

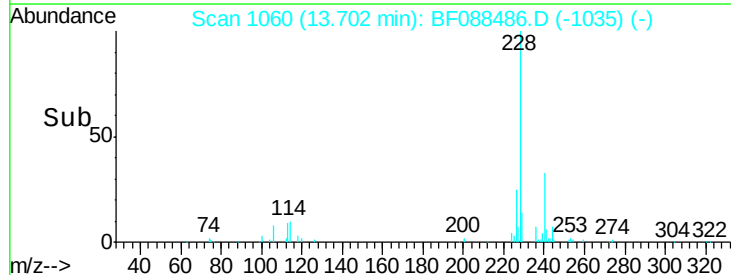
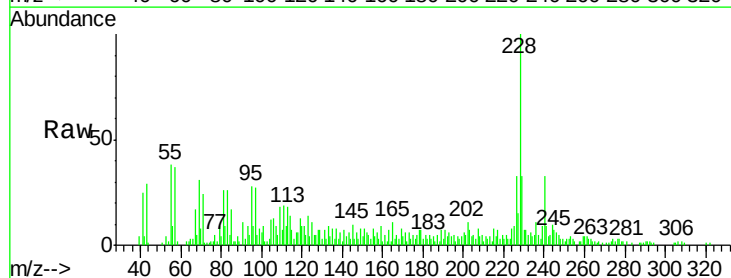
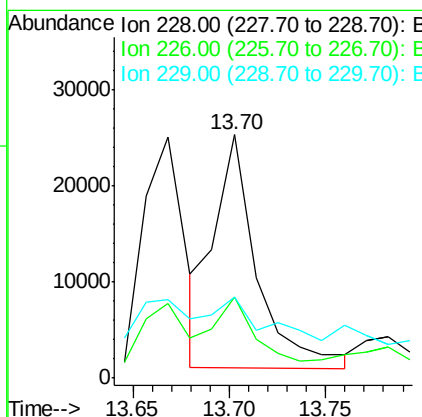
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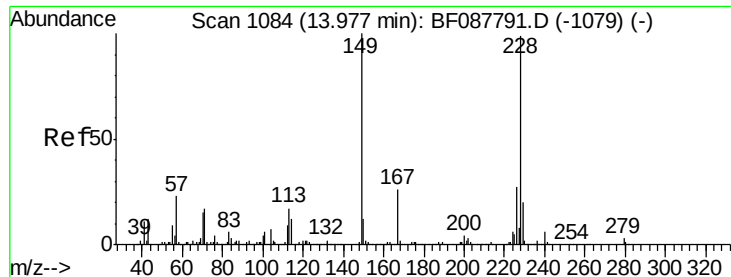
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#82
Chrysene
Concen: 2.97 ng m
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	25.4	38.2
229	33.3	16.3	24.5





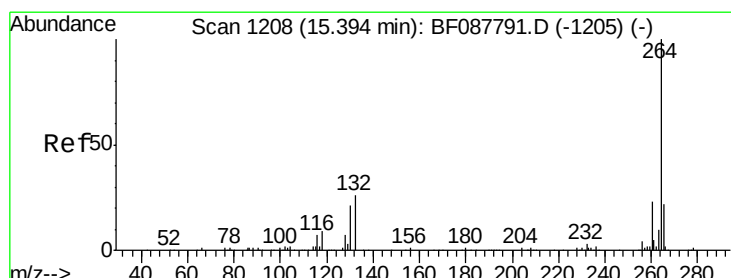
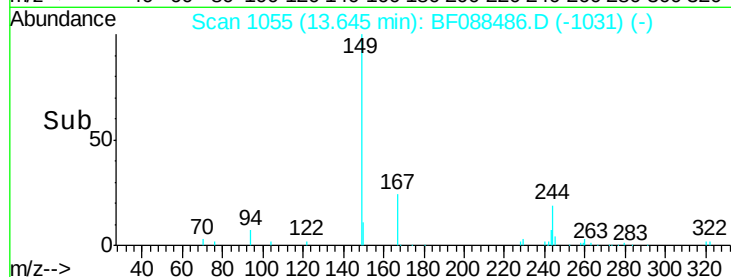
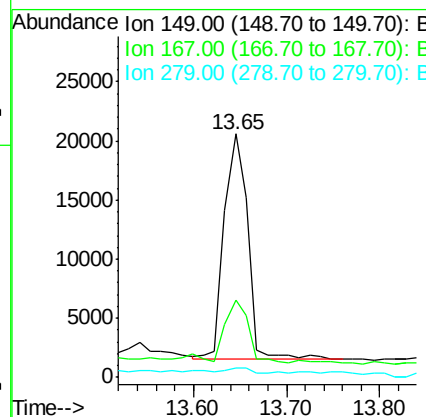
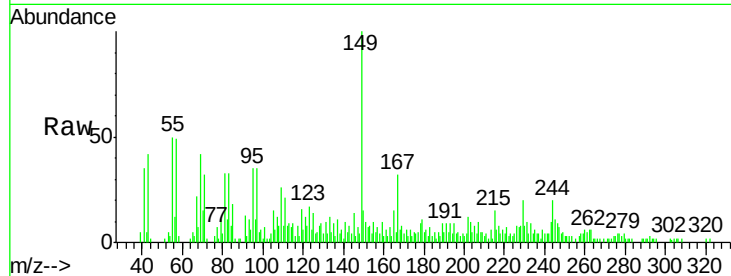
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.62 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion:149 Resp: 33817
Ion Ratio Lower Upper
149 100
167 31.6 20.5 30.7#
279 4.1 2.0 3.0#

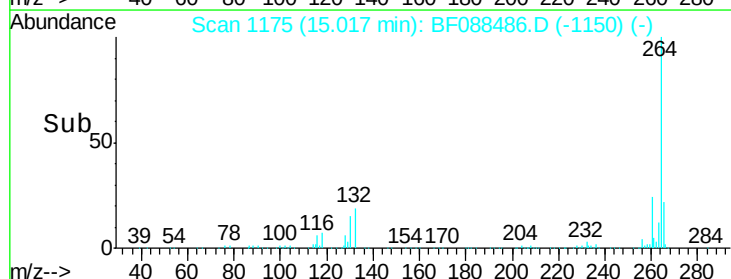
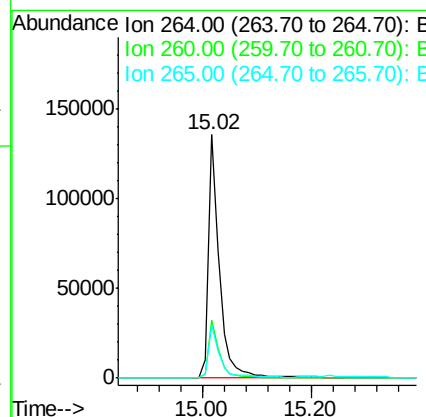
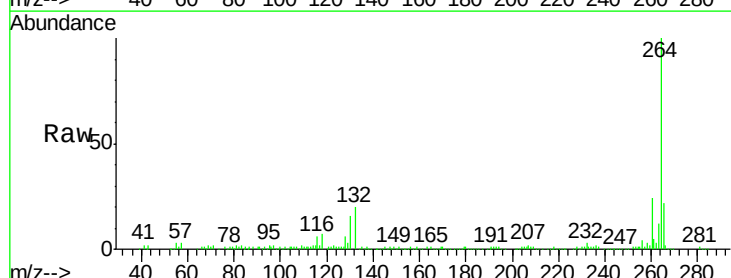
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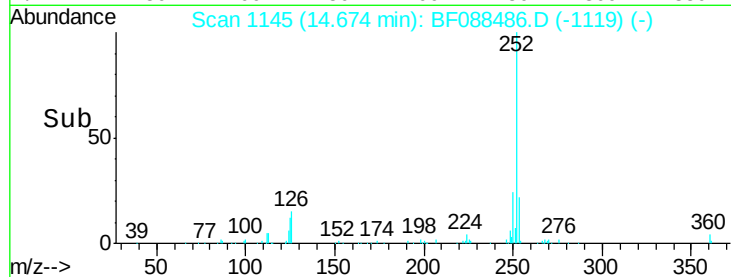
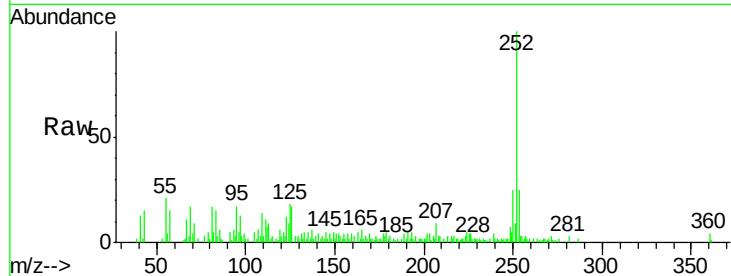
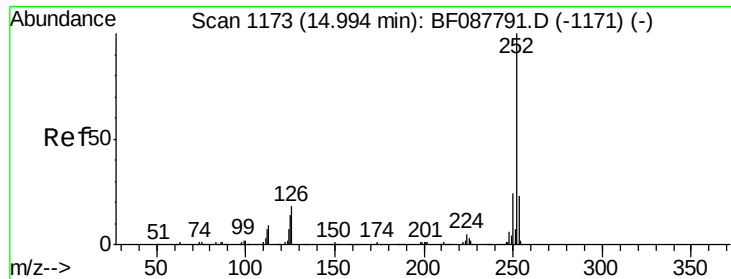
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Tgt Ion:264 Resp: 190485
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.9 16.9 25.3





#87
Benzo(b)fluoranthene
Concen: 2.19 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF088486.D
Acq: 28 Jun 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	18.5	7.1	10.7

Manual Integrations
APPROVED

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