

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088008.D
 Acq On : 14 Jun 2016 19:59
 Operator : UM/SJ
 Sample : H3450-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B3-(0-9)C

Manual Integrations
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Quant Time: Jun 15 04:25:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	114694	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	573093	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	206942	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	328170	20.00	ng	0.00
75) Chrysene-d12	13.94	240	244211	20.00	ng	0.00
86) Perylene-d12	15.35	264	259749	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	631469	94.12	ng	0.00
7) Phenol-d6	6.42	99	796450	97.95	ng	0.00
23) Nitrobenzene-d5	7.35	82	492733	50.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	156938	71.82	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	836911	62.04	ng	0.00
78) Terphenyl-d14	12.89	244	462343	43.08	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.09	128	113905	4.02	ng	98
49) Dimethylphthalate	9.54	163	208535	13.91	ng	100
54) Dibenzofuran	10.02	168	70650	3.86	ng	92
57) Fluorene	10.36	166	87449	2.51	ng	98
70) Phenanthrene	11.32	178	315374	18.31	ng	99
71) Anthracene	11.38	178	61961	3.57	ng	99
74) Fluoranthene	12.53	202	350803	19.30	ng	97
77) Pyrene	12.75	202	361862	19.97	ng	99
80) Benzo(a)anthracene	13.93	228	271439	19.50	ng	99
82) Chrysene	13.97	228	182496	13.94	ng	97
85) Indeno(1,2,3-cd)pyrene	16.71	276	148429	12.20	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	347110m	19.17	ng	
88) Benzo(k)fluoranthene	14.97	252	85573m	6.27	ng	
89) Benzo(a)pyrene	15.29	252	243617	16.63	ng	98
90) Dibenzo(a,h)anthracene	16.71	278	36499	2.68	ng	# 87
91) Benzo(g,h,i)perylene	17.11	276	146355	10.46	ng	97

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

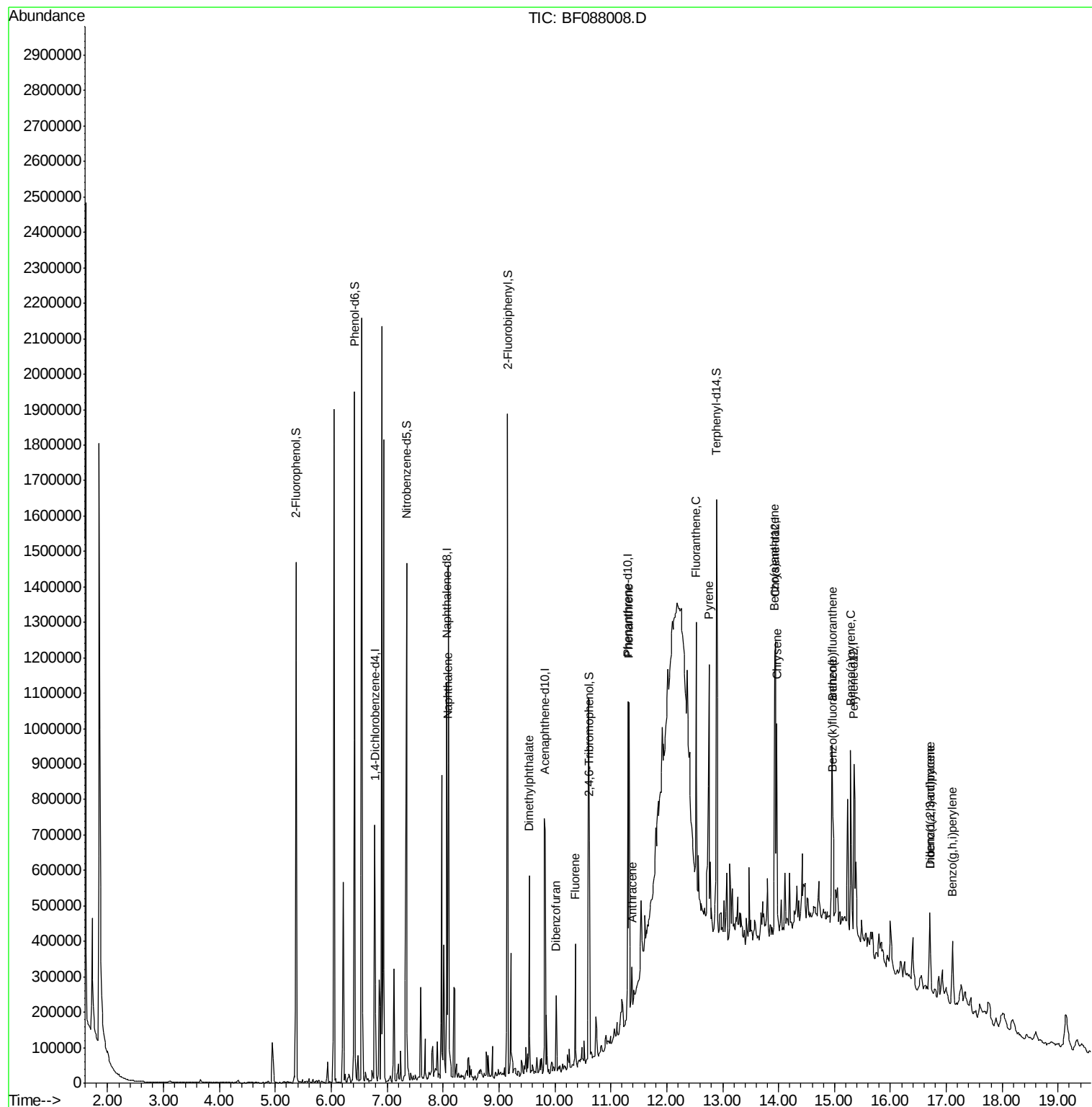
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
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#1

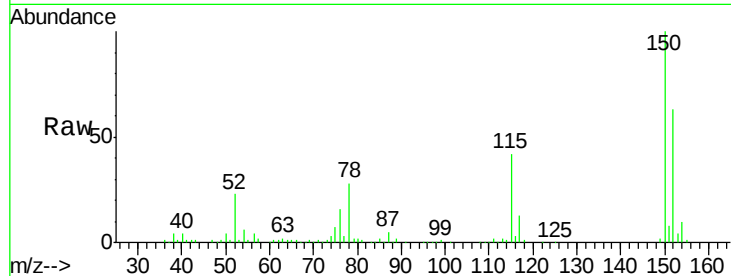
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	123.8	185.6
115	66.1	39.6	59.4

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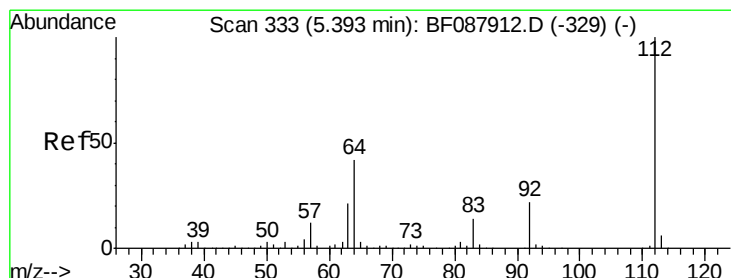
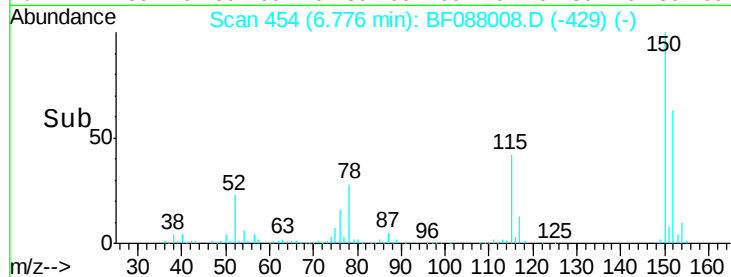
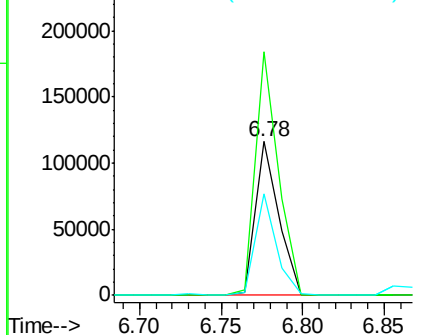


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

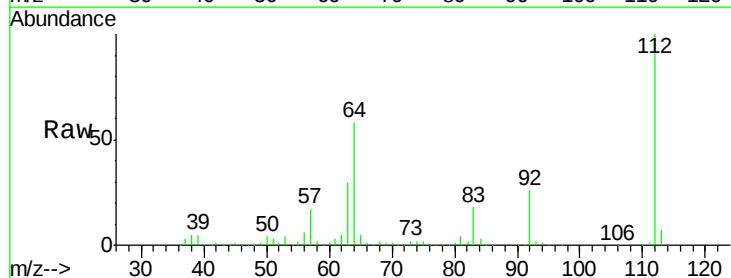
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.12 ng
RT: 5.37 min Scan# 331
Delta R.T. -0.00 min
Lab File: BF088008.D
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Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	42.2	63.2
63	29.6	21.8	32.8

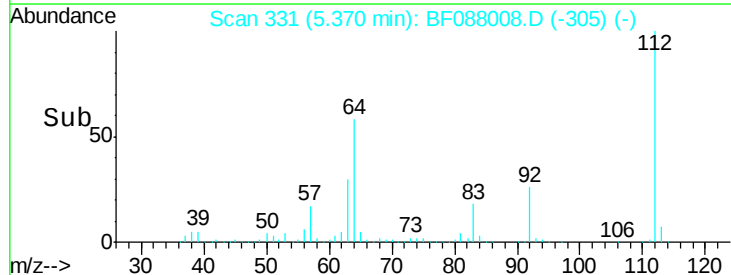
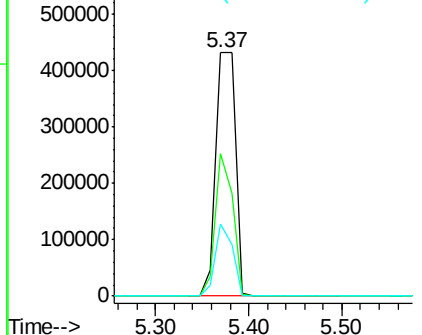


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.95 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Instrument :

BNA_F

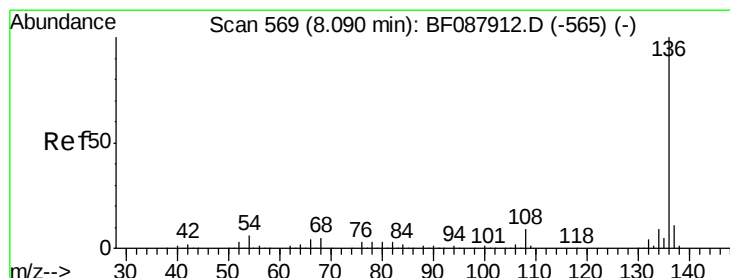
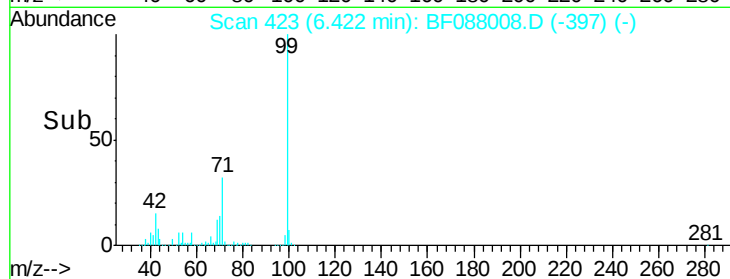
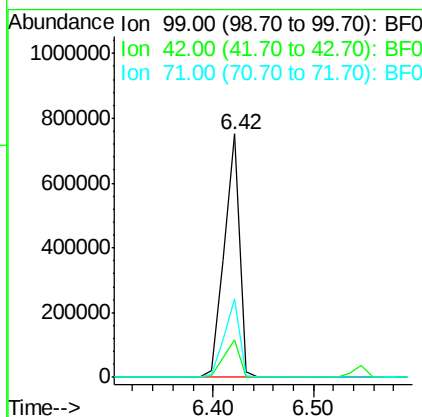
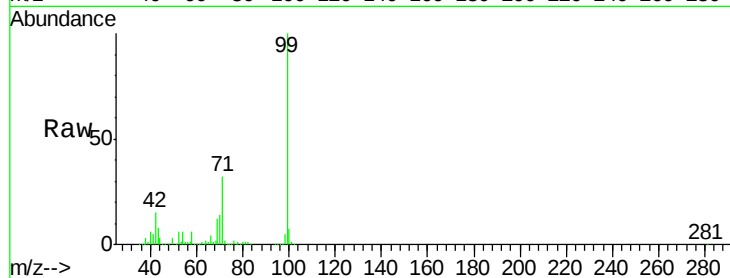
ClientSampleId :

S7-B3-(0-9)C

Tot Ion:	99	Resp:	796450
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.2	18.2
71	32.1	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

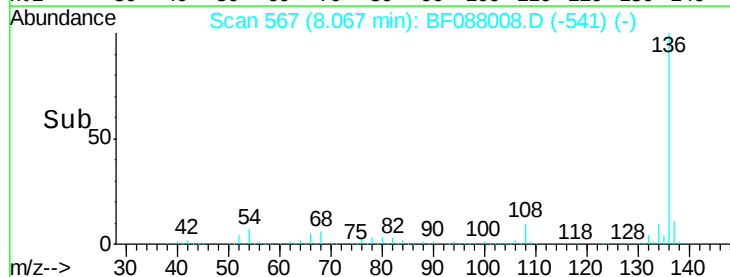
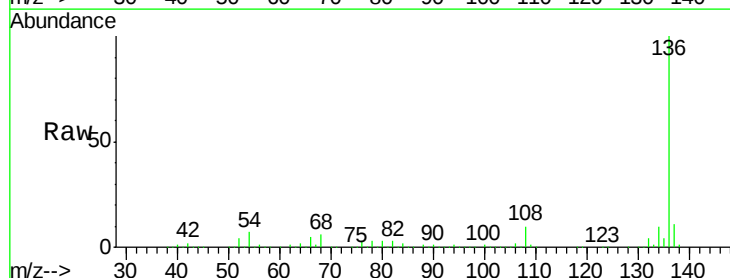
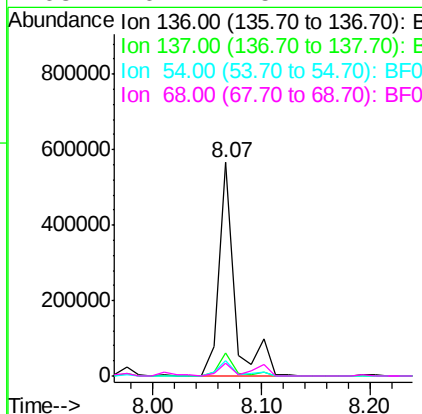
RT: 8.07 min Scan# 567

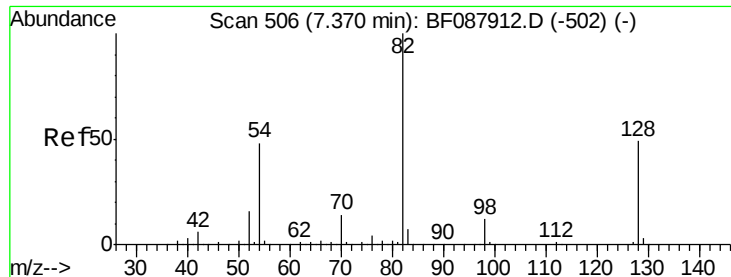
Delta R.T. -0.00 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Tgt Ion:	136	Resp:	573093
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	7.2	6.6	10.0
68	6.1	5.1	7.7





#23

Nitrobenzene-d5

Concen: 50.21 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Instrument :

BNA_F

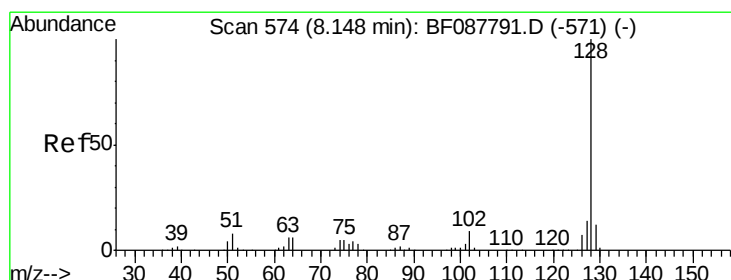
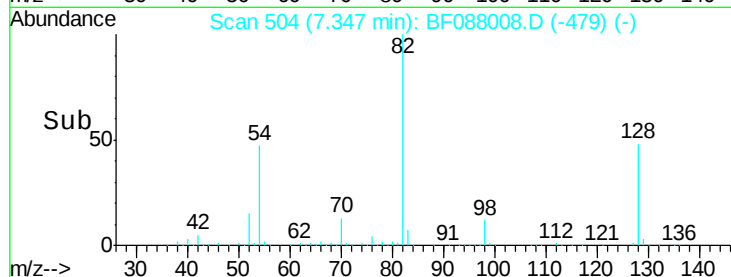
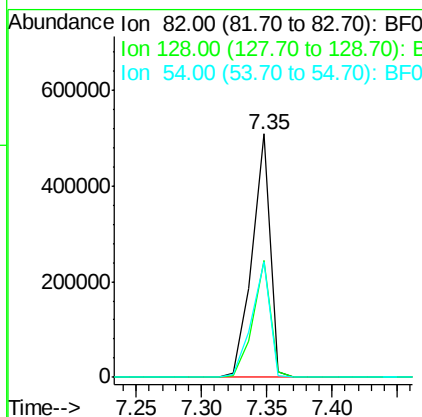
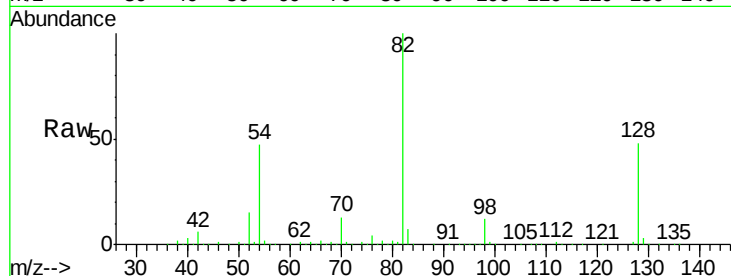
ClientSampleId :

S7-B3-(0-9)C

Tot Ion:	82	Resp:	492733
Ion Ratio		Lower	Upper
82	100		
128	47.9	35.9	53.9
54	47.4	40.9	61.3

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#31

Naphthalene

Concen: 4.02 ng

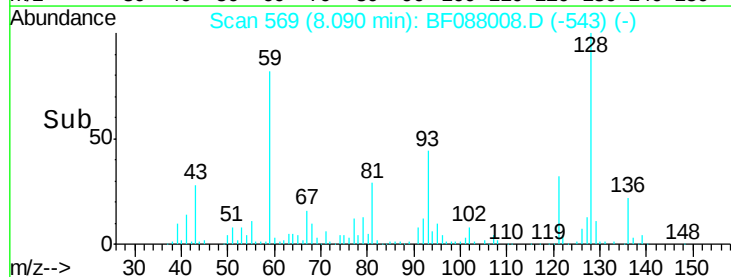
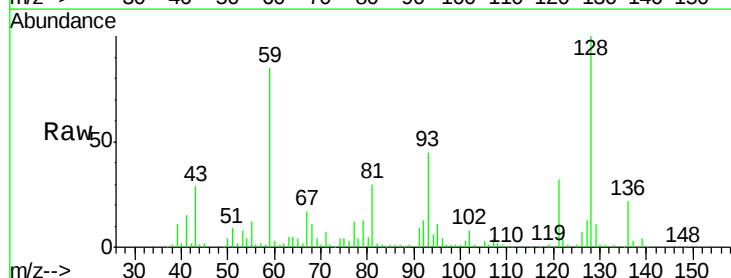
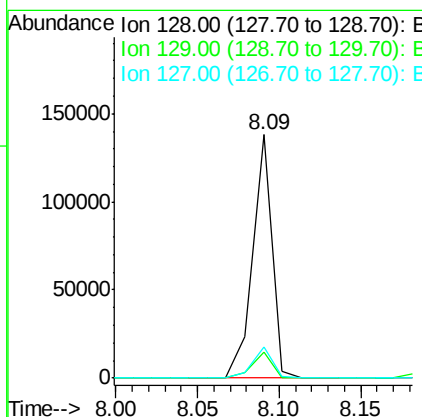
RT: 8.09 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Tgt Ion:	128	Resp:	113905
Ion Ratio		Lower	Upper
128	100		
129	10.9	9.4	14.2
127	12.7	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Instrument :

BNA_F

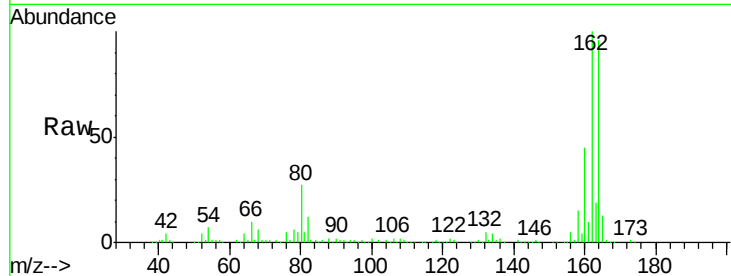
ClientSampleId :

S7-B3-(0-9)C

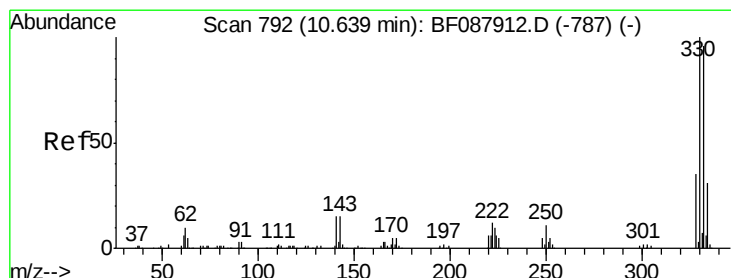
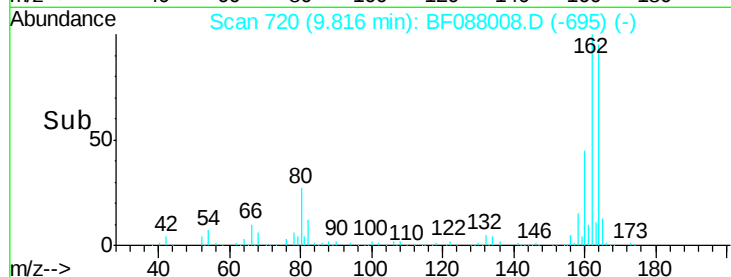
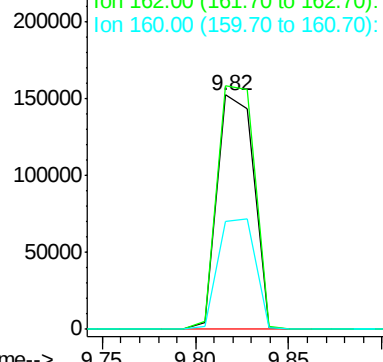
Tot Ion:	164	Resp:	206942
Ion Ratio	Lower	Upper	
164	100		
162	104.0	85.4	128.2
160	46.3	39.5	59.3

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



#41

2,4,6-Tribromophenol

Concen: 71.82 ng

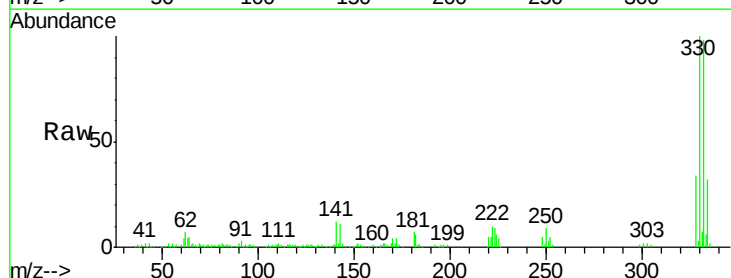
RT: 10.62 min Scan# 790

Delta R.T. -0.00 min

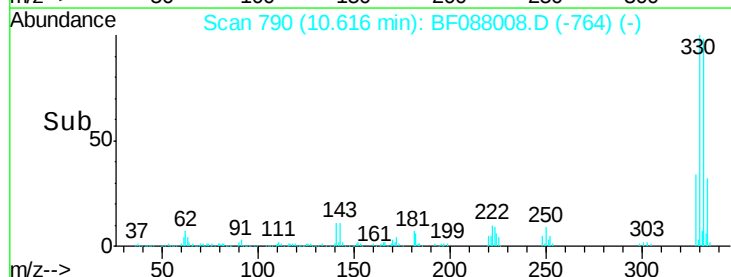
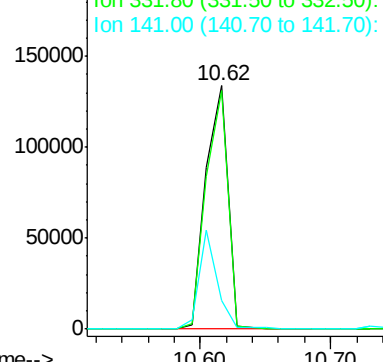
Lab File: BF088008.D

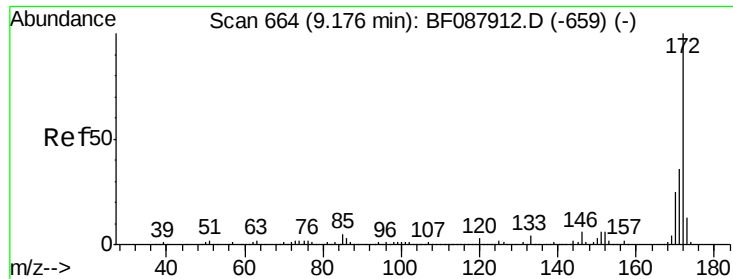
Acq: 14 Jun 2016 19:59

Tgt Ion:	330	Resp:	156938
Ion Ratio	Lower	Upper	
330	100		
332	96.7	0.0	0.0#
141	33.2	0.0	0.0#



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





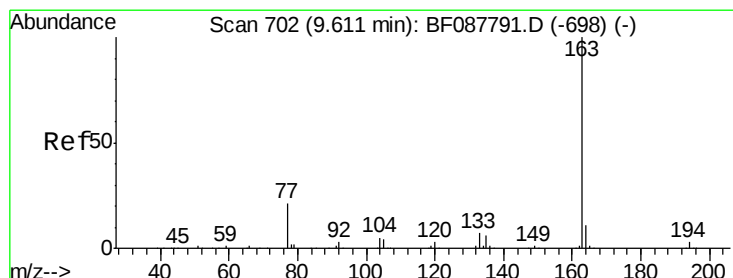
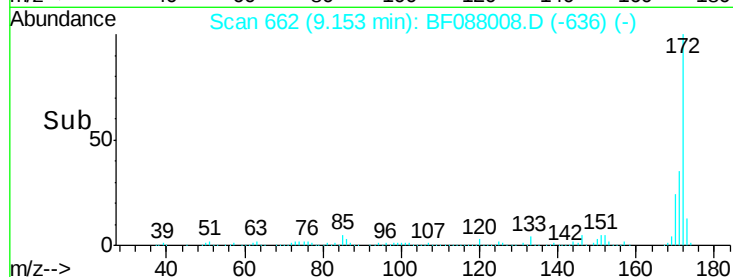
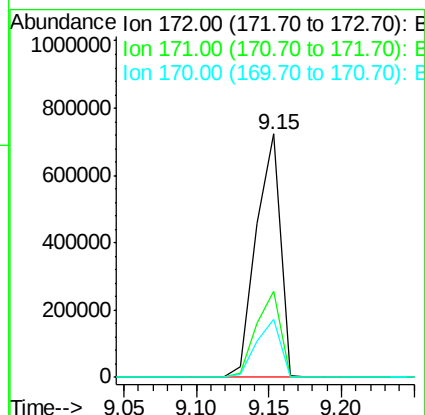
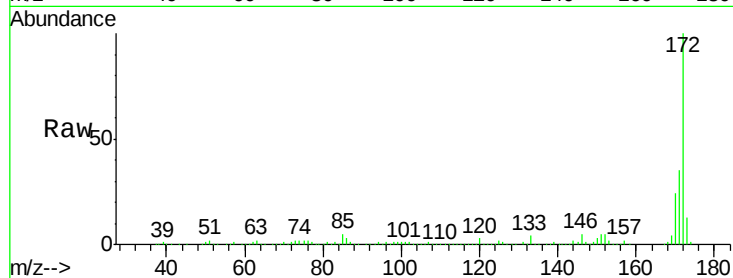
#44
2-Fluorobiphenyl
Concen: 62.04 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		836911		
171	35.2	28.6	43.0		
170	23.8	19.2	28.8		

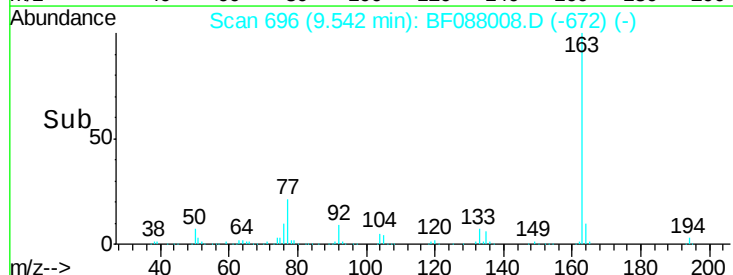
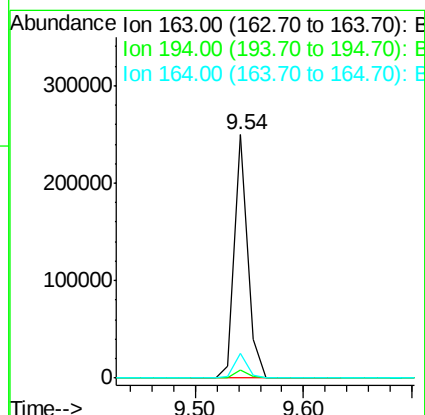
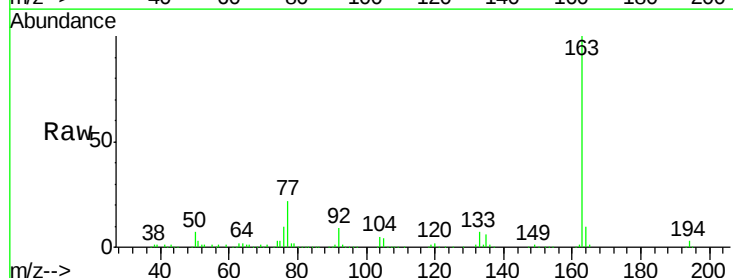
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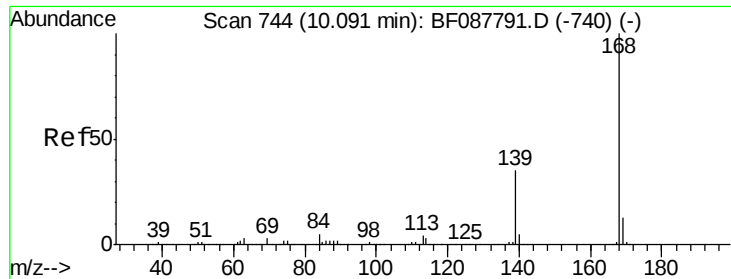
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#49
Dimethylphthalate
Concen: 13.91 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		208535		
194	3.1	2.8	4.2		
164	10.4	8.3	12.5		





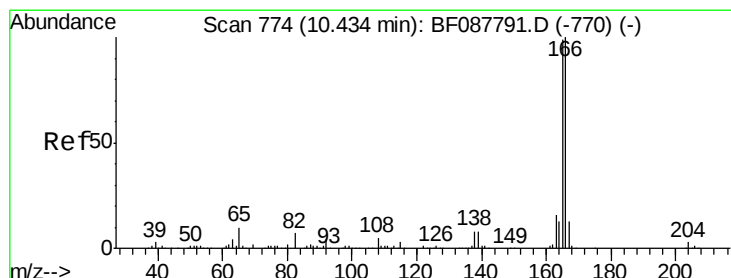
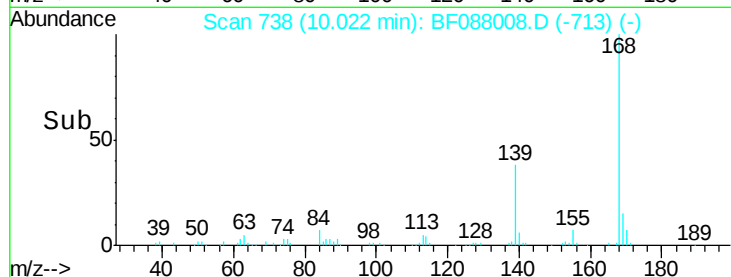
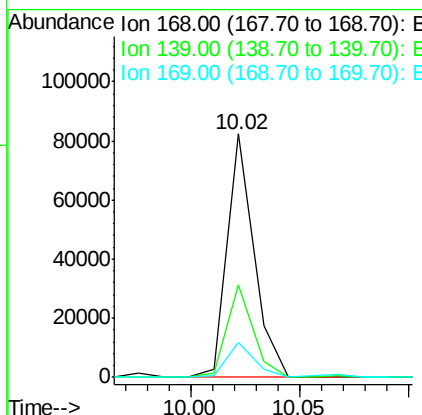
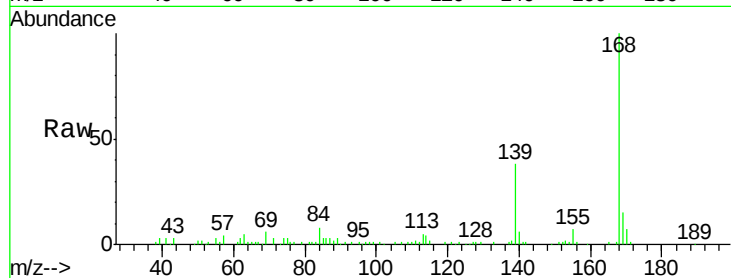
#54
Dibenzenofuran
Concen: 3.86 ng
RT: 10.02 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	26.4	39.6
169	14.5	10.4	15.6

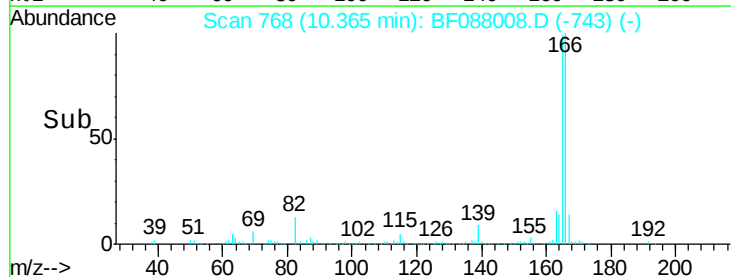
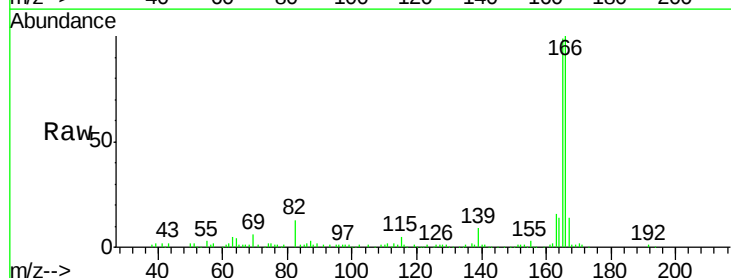
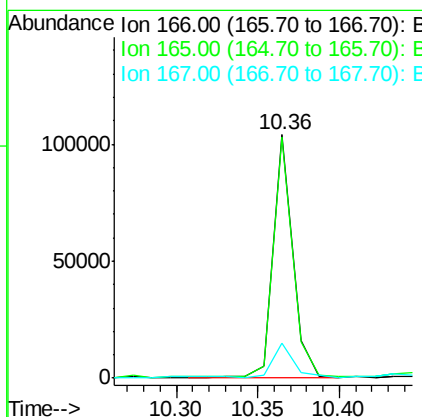
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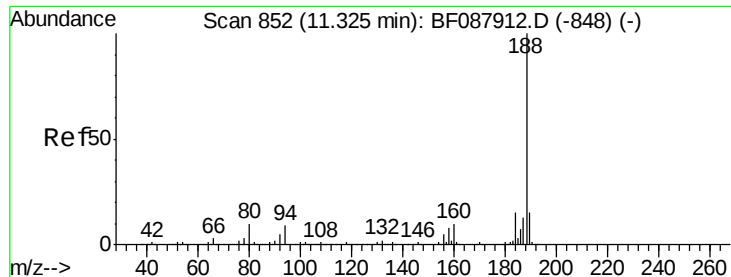
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#57
Fluorene
Concen: 2.51 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.8
167	14.3	11.2	16.8





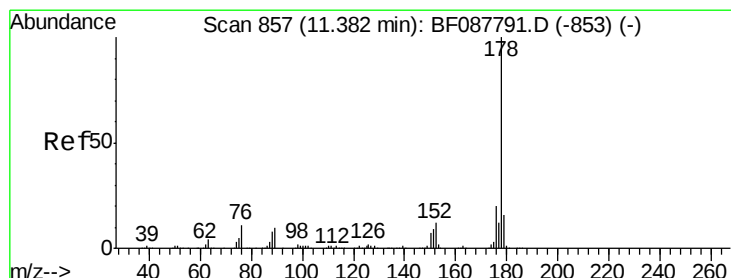
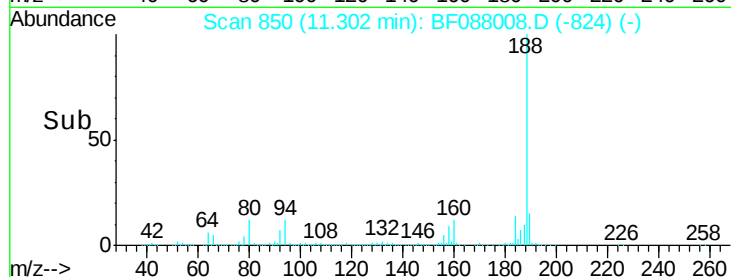
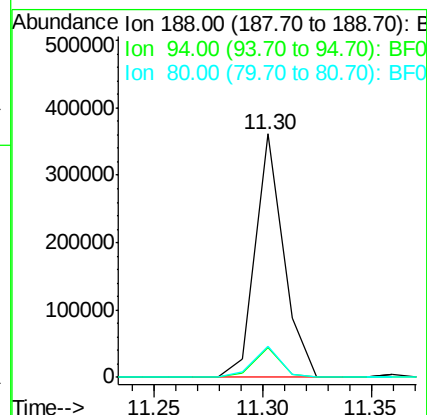
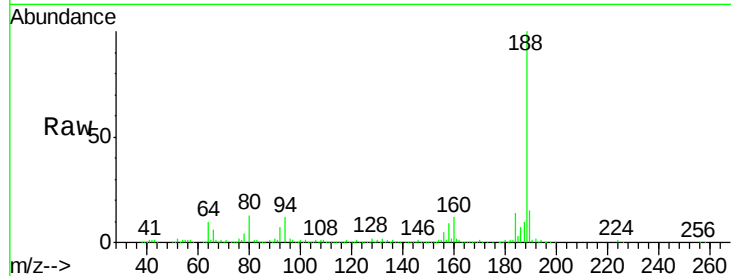
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.3	9.0	13.6
80	12.6	10.0	15.0

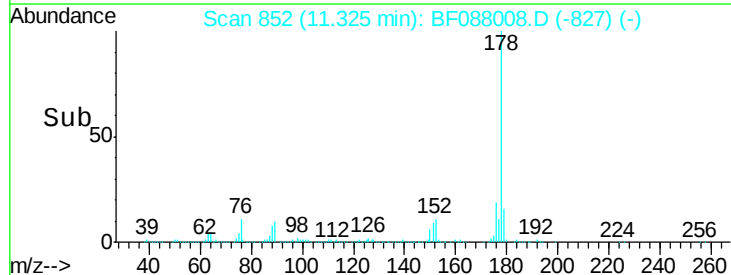
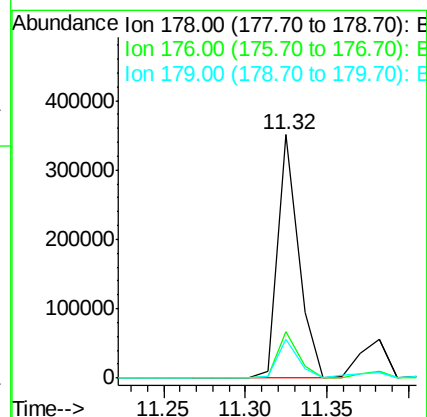
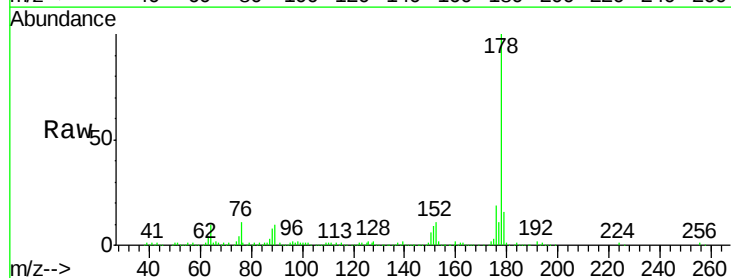
Manual Integrations
APPROVED

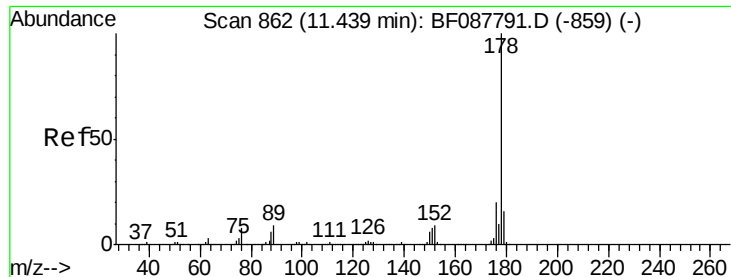
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#70
Phenanthrene
Concen: 18.31 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.6
179	16.0	13.0	19.4





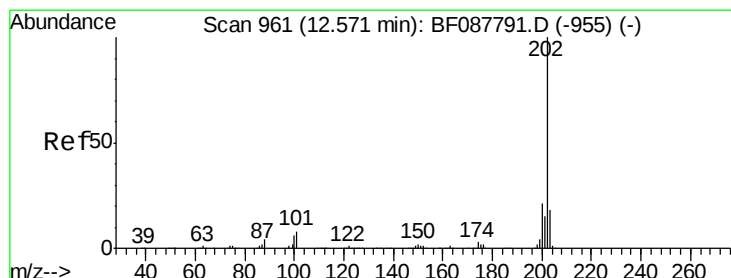
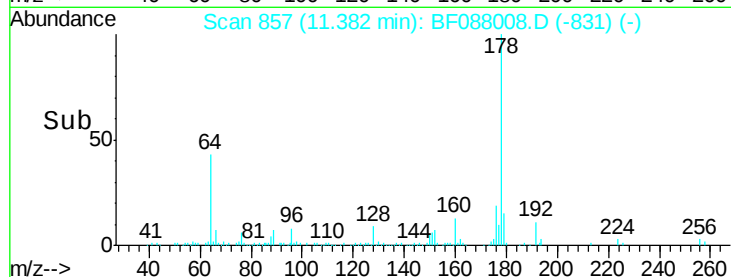
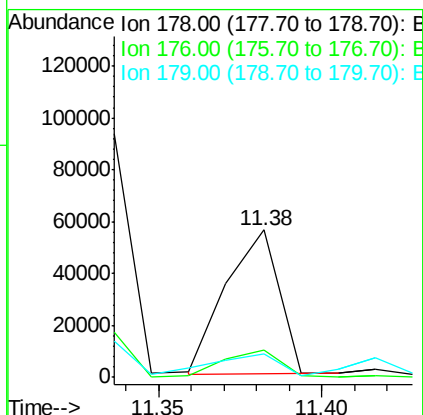
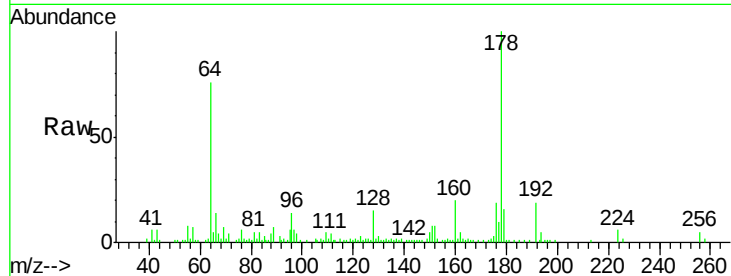
#71
 Anthracene
 Concen: 3.57 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF088008.D
 Acq: 14 Jun 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.6	12.8	19.2

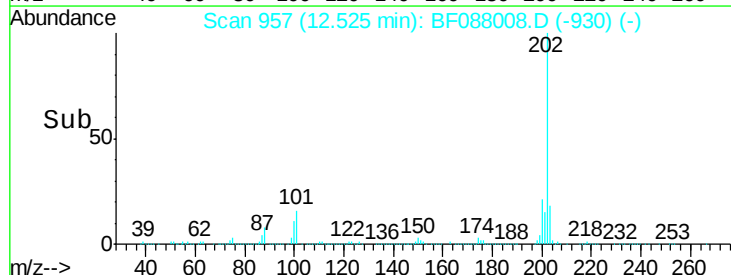
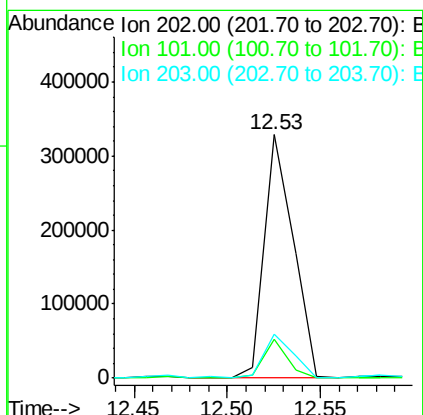
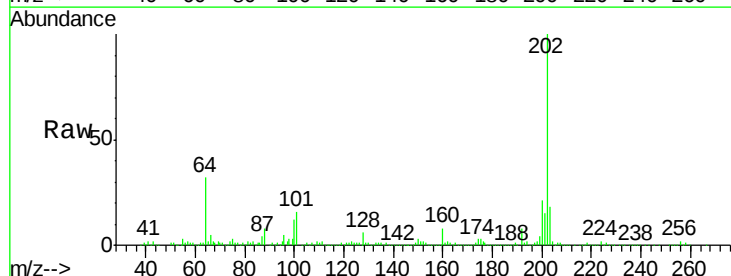
Manual Integrations
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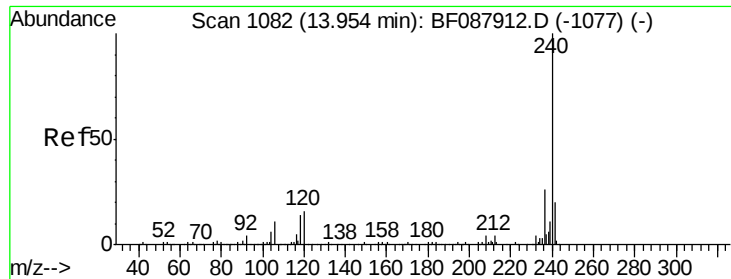
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#74
 Fluoranthene
 Concen: 19.30 ng
 RT: 12.53 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BF088008.D
 Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	33.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Instrument :

BNA_F

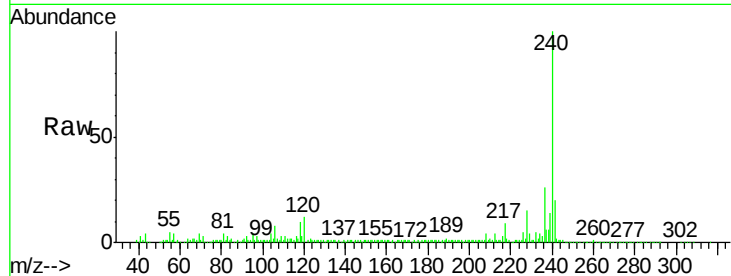
ClientSampleId :

S7-B3-(0-9)C

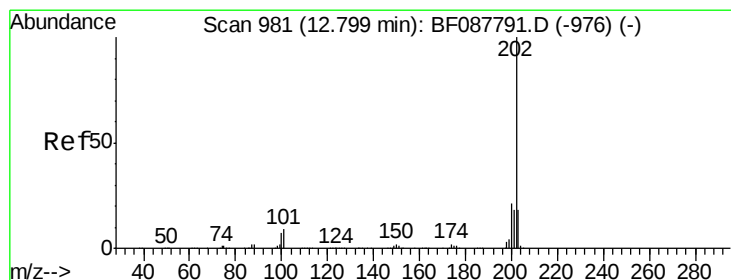
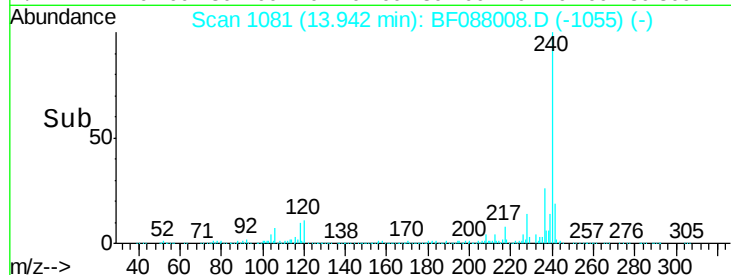
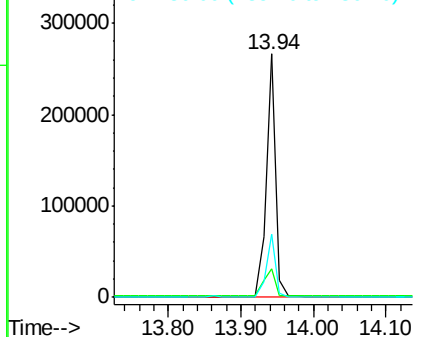
Tot Ion:	240	Resp:	244211
Ion Ratio	Lower	Upper	
240	100		
120	11.5	6.8	10.2#
236	25.9	20.2	30.2

Manual Integrations
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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: 19.97 ng

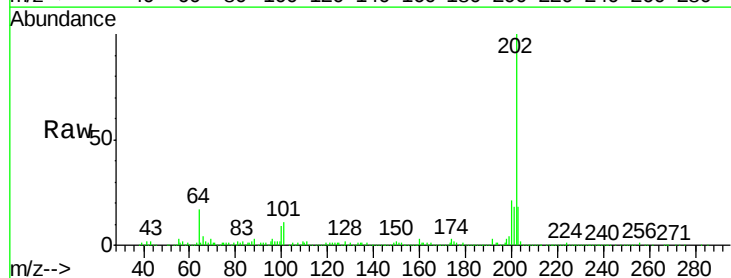
RT: 12.75 min Scan# 977

Delta R.T. 0.01 min

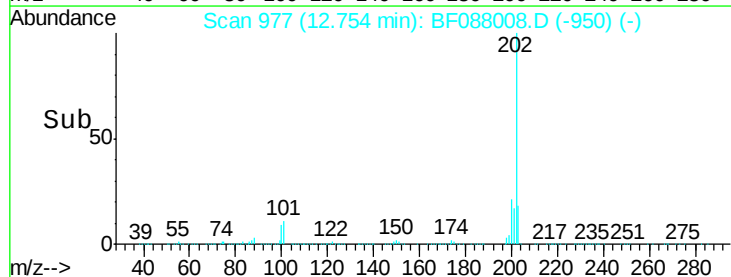
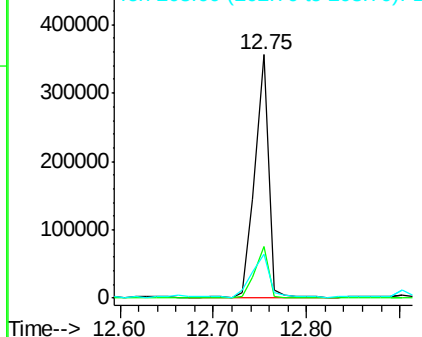
Lab File: BF088008.D

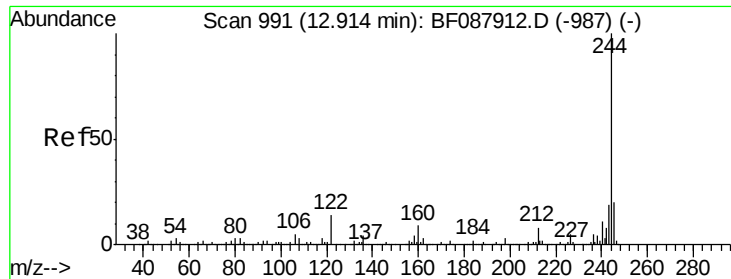
Acq: 14 Jun 2016 19:59

Tgt Ion:	202	Resp:	361862
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.9	14.5	21.7



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





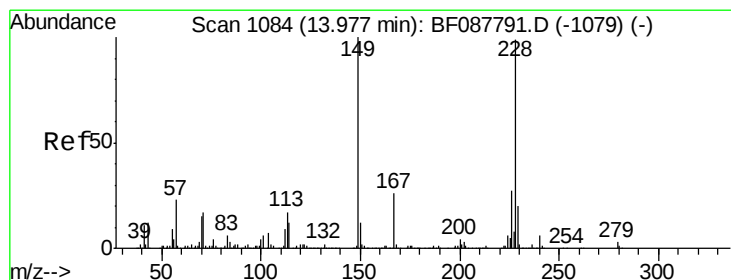
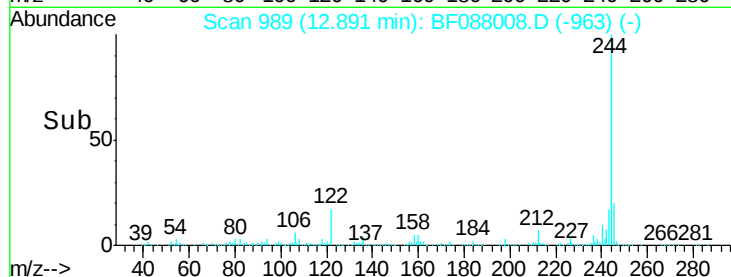
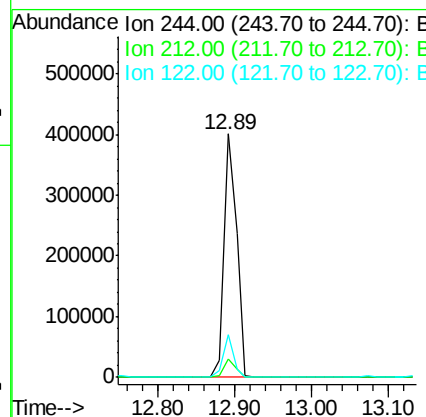
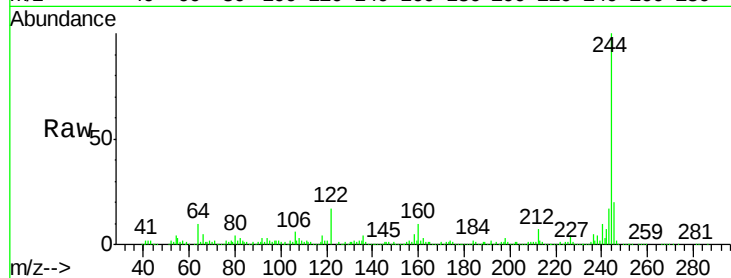
#78
 Terphenyl-d14
 Concen: 43.08 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF088008.D
 Acq: 14 Jun 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	17.3	11.2	16.8

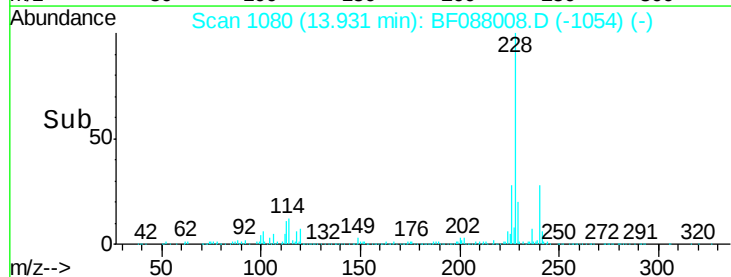
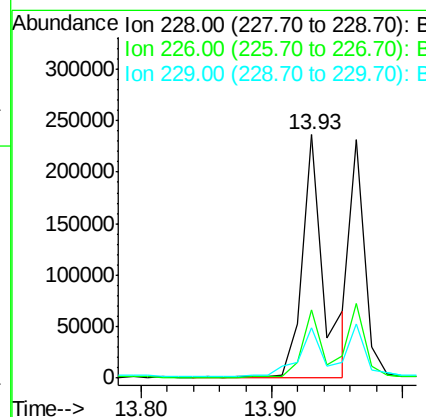
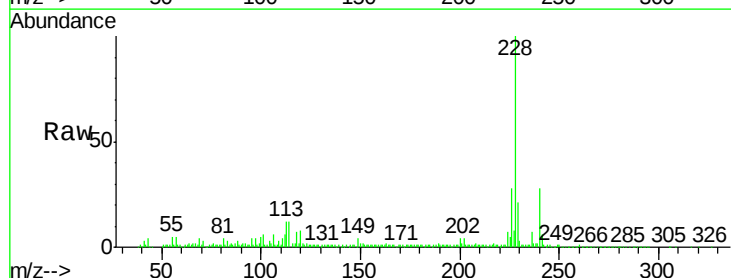
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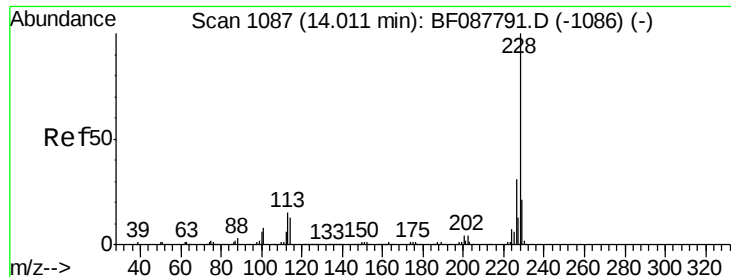
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#80
 Benzo(a)anthracene
 Concen: 19.50 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BF088008.D
 Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	20.6	16.0	24.0





#82

Chrysene

Concen: 13.94 ng

RT: 13.97 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Instrument :

BNA_F

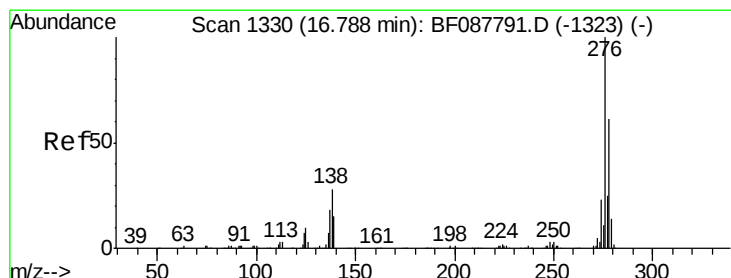
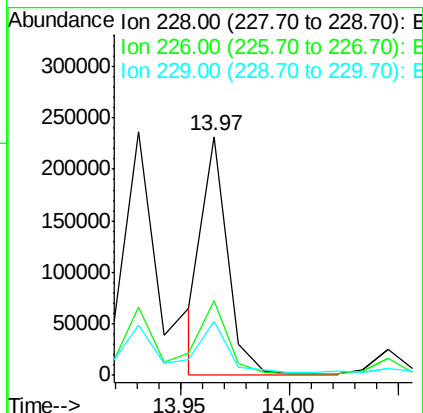
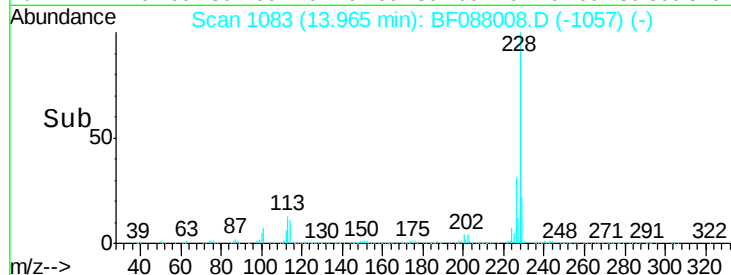
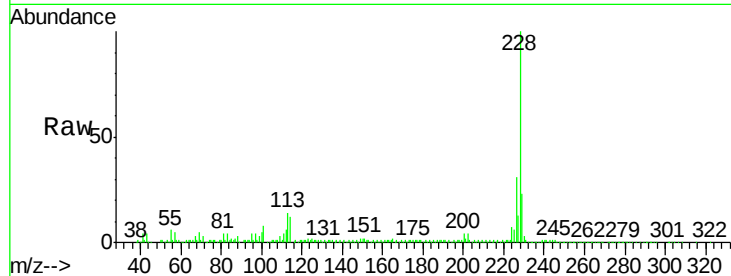
ClientSampleId :

S7-B3-(0-9)C

Tot Ion:	228	Resp:	182496
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.4	38.2
229	22.6	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.20 ng

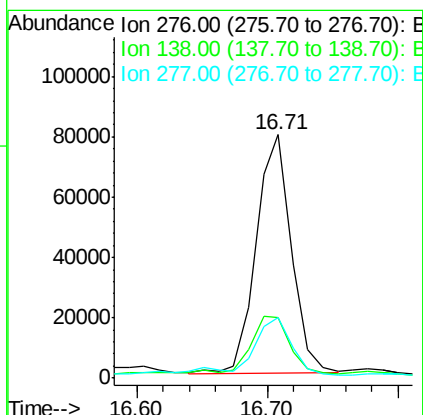
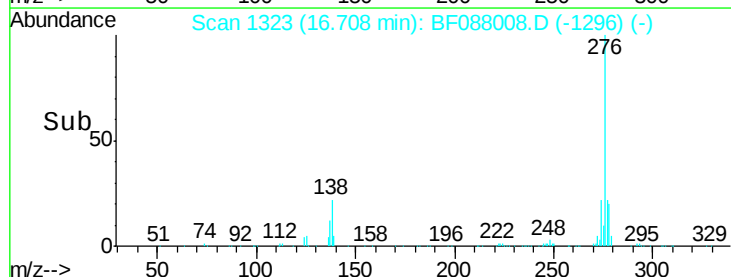
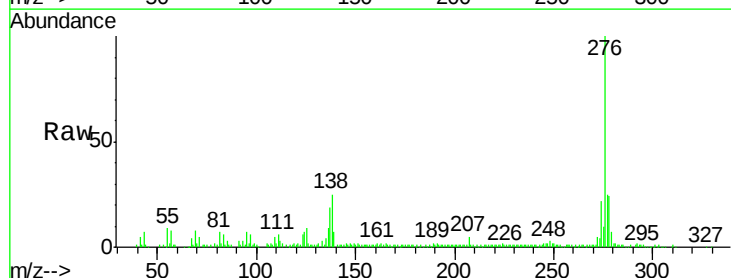
RT: 16.71 min Scan# 1323

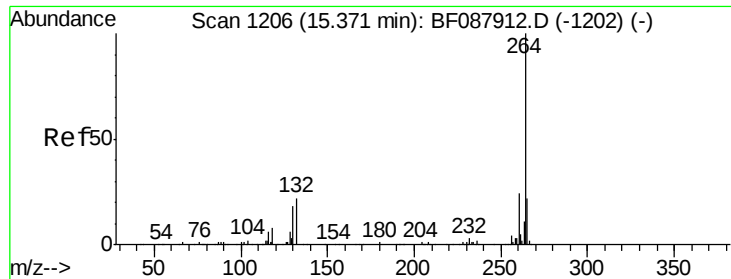
Delta R.T. 0.01 min

Lab File: BF088008.D

Acq: 14 Jun 2016 19:59

Tgt Ion:	276	Resp:	148429
Ion Ratio	Lower	Upper	
276	100		
138	27.3	0.0	0.0#
277	27.7	0.0	0.0#





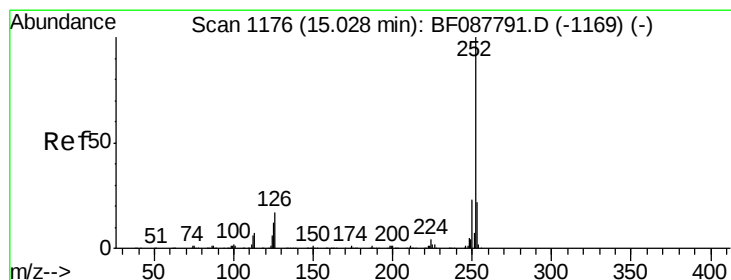
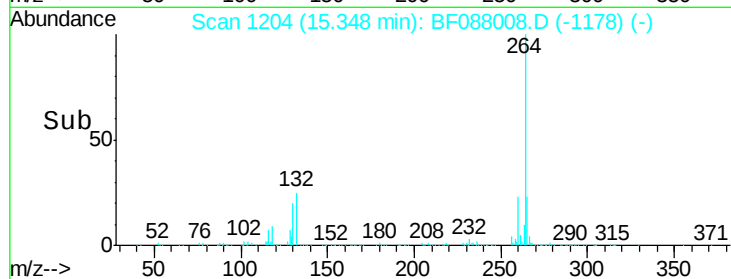
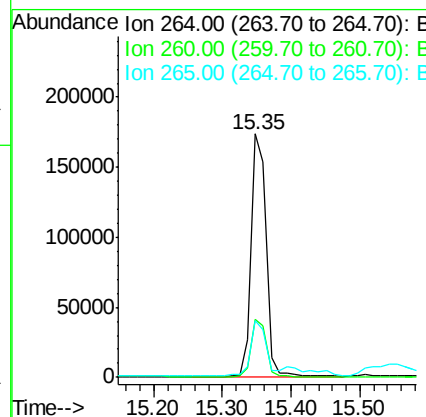
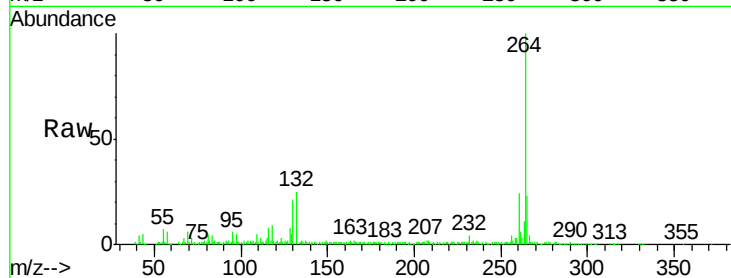
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.2	16.9	25.3

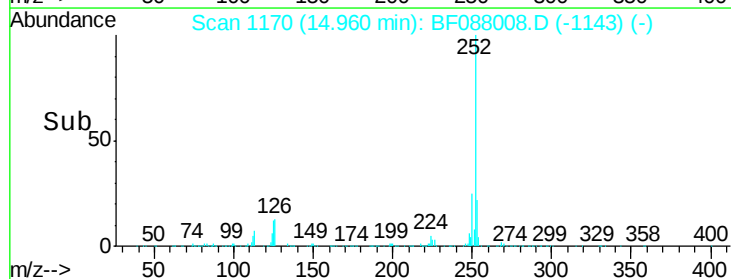
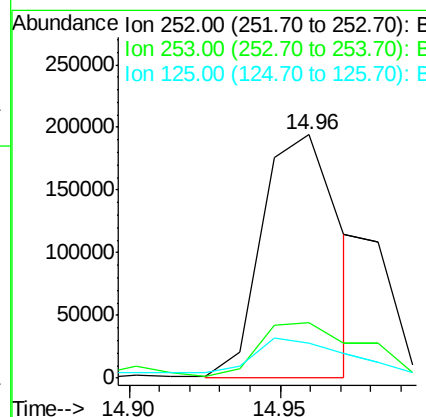
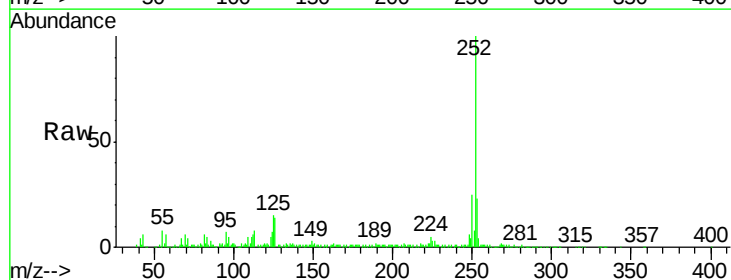
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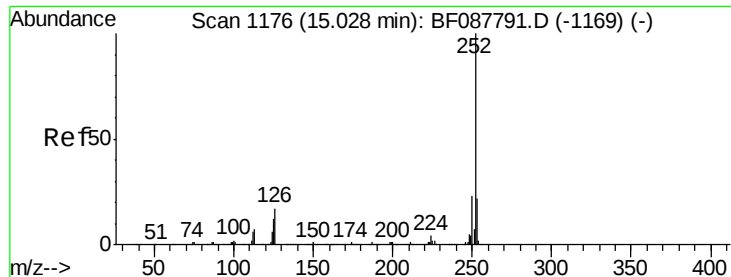
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#87
Benzo(b)fluoranthene
Concen: 19.17 ng m
RT: 14.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.6	7.1	10.7#





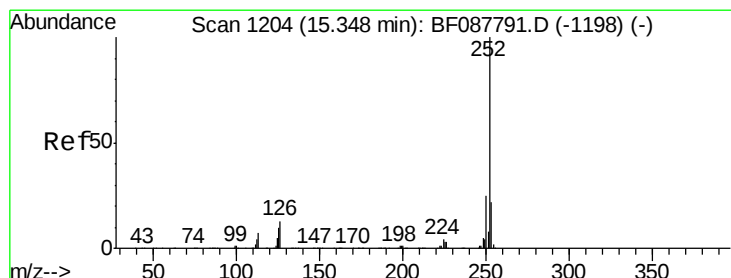
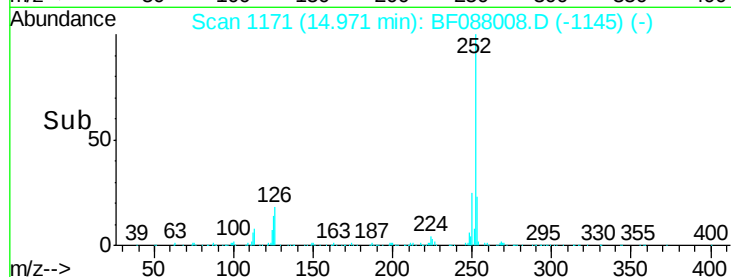
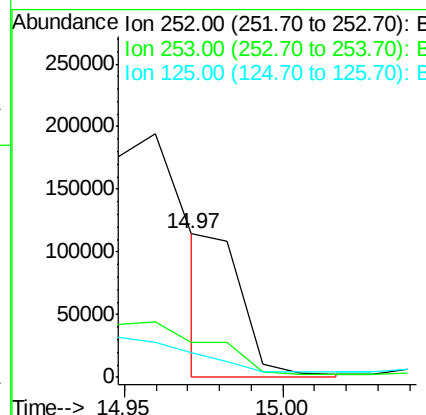
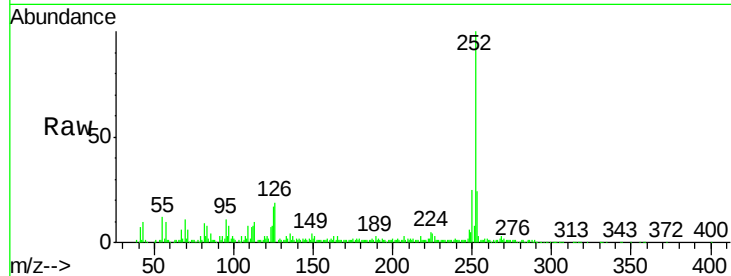
#88
Benzo(k)fluoranthene
Concen: 6.27 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampled :
S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	17.2	11.2	16.8

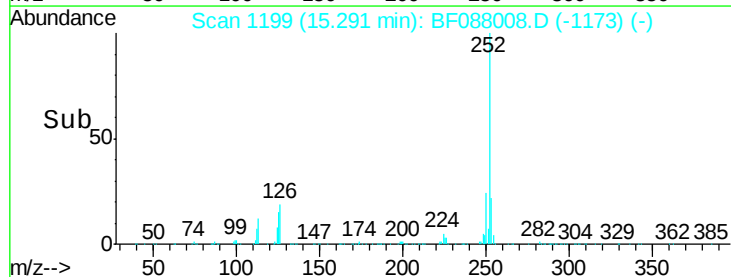
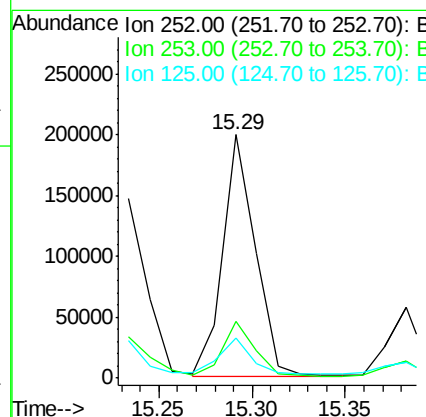
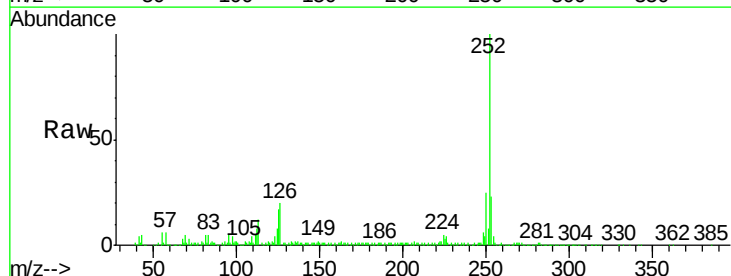
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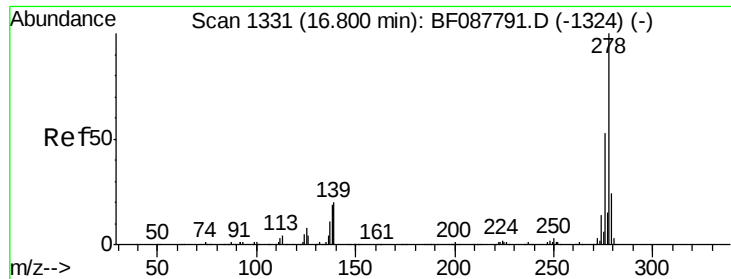
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#89
Benzo(a)pyrene
Concen: 16.63 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	16.6	12.5	18.7





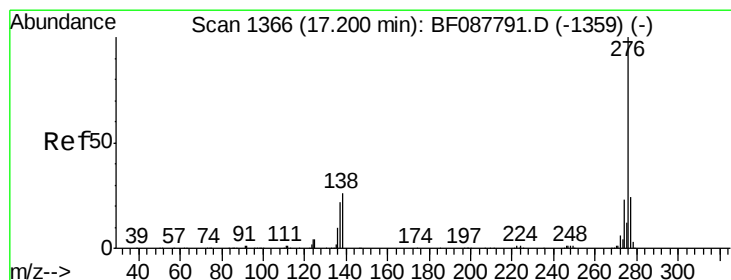
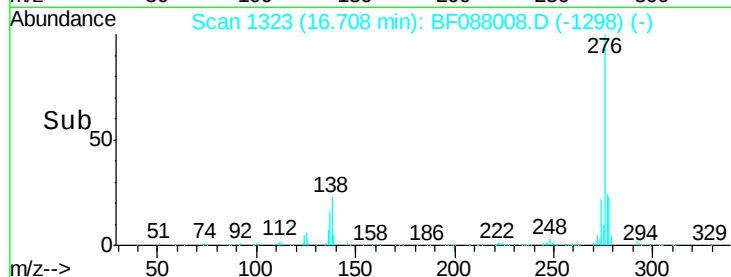
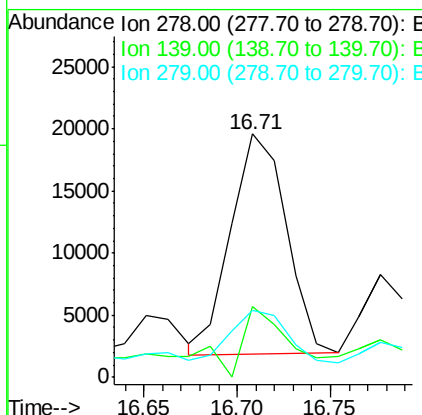
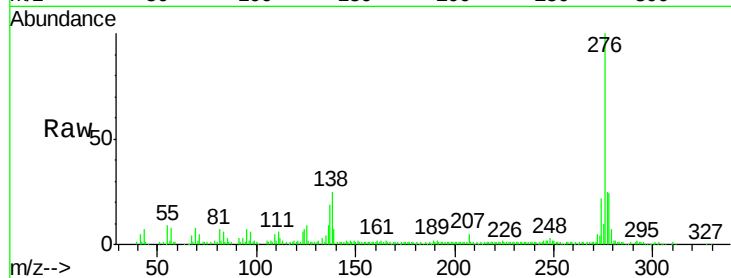
#90
Dibenzo(a,h)anthracene
Concen: 2.68 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Instrument :
BNA_F
ClientSampleId :
S7-B3-(0-9)C

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.2	15.7	23.5#
279	27.5	19.4	29.2

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.46 ng
RT: 17.11 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BF088008.D
Acq: 14 Jun 2016 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	29.1	21.4	32.2

