

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088009.D
 Acq On : 14 Jun 2016 20:28
 Operator : UM/SJ
 Sample : H3450-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B2-(0-9)C

Manual Integrations
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Quant Time: Jun 15 11:46:50 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	115867	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	472051	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	200641	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	303150	20.00	ng	0.00
75) Chrysene-d12	13.94	240	235929	20.00	ng	0.00
86) Perylene-d12	15.35	264	239691	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	743522	109.70	ng	0.01
7) Phenol-d6	6.42	99	805484	98.06	ng	0.00
23) Nitrobenzene-d5	7.35	82	494877	61.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	176170	83.16	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	906916	70.03	ng	0.00
78) Terphenyl-d14	12.89	244	481153	46.41	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.20	107	18281	2.41	ng	# 71
31) Naphthalene	8.09	128	58677	2.51	ng	98
49) Dimethylphthalate	9.54	163	102020	7.02	ng	100
70) Phenanthrene	11.33	178	185610	11.67	ng	99
74) Fluoranthene	12.53	202	218093	12.99	ng	99
77) Pyrene	12.74	202	216155	12.35	ng	99
80) Benzo(a)anthracene	13.93	228	134032	9.97	ng	97
82) Chrysene	13.97	228	149714m	11.84	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	89182	7.59	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	238806m	14.29	ng	
88) Benzo(k)fluoranthene	14.97	252	37010m	2.94	ng	
89) Benzo(a)pyrene	15.29	252	142009	10.51	ng	99
91) Benzo(a,h,i)perylene	17.11	276	88639	6.86	ng	97

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

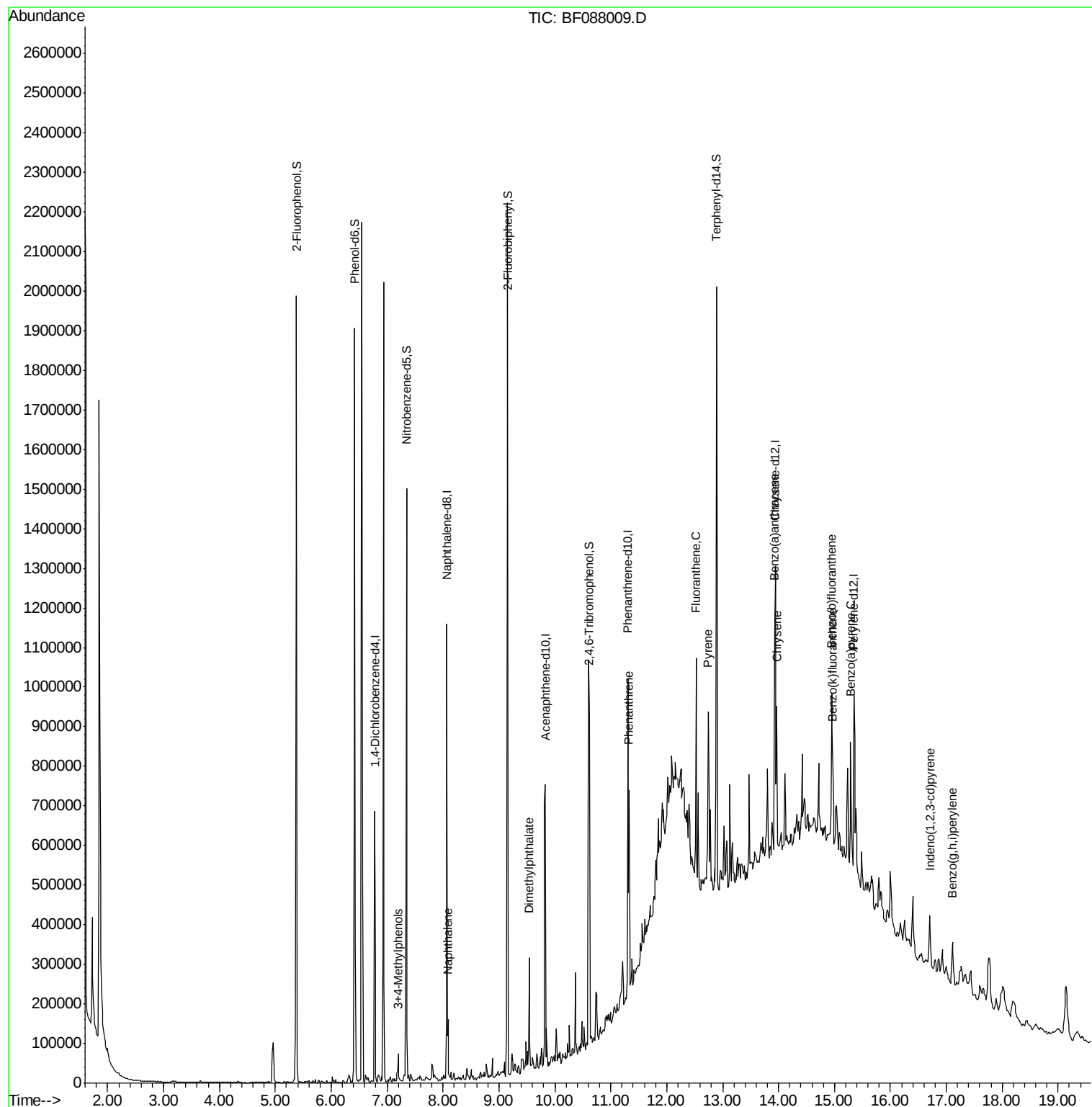
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088009.D
Acq On : 14 Jun 2016 20:28
Operator : UM/SJ
Sample : H3450-03
Misc :
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Instrument :
BNA_F
ClientSampled :
S7-B2-(0-9)C

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#1

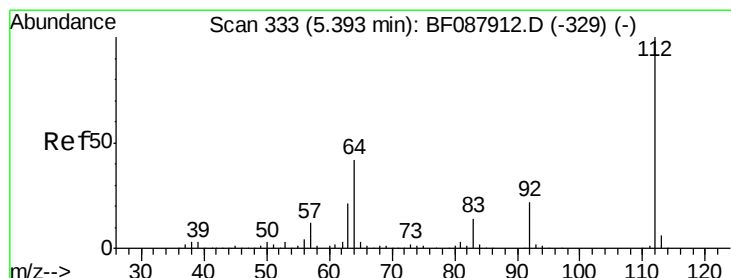
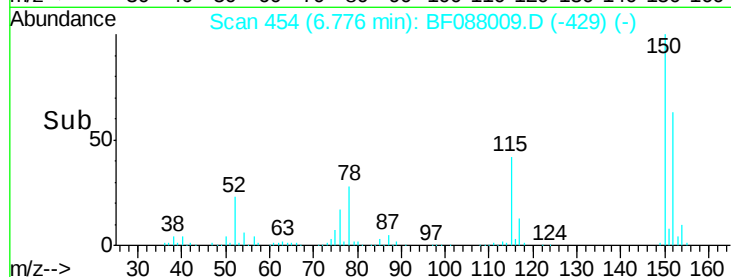
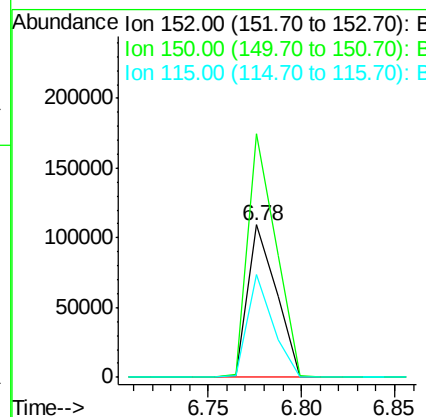
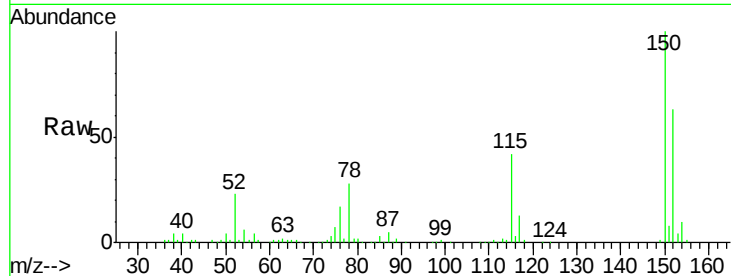
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Instrument :
BNA_F
ClientSampleId :
S7-B2-(0-9)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	123.8	185.6
115	67.4	39.6	59.4

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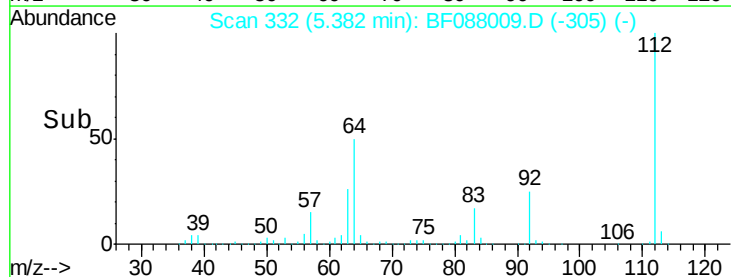
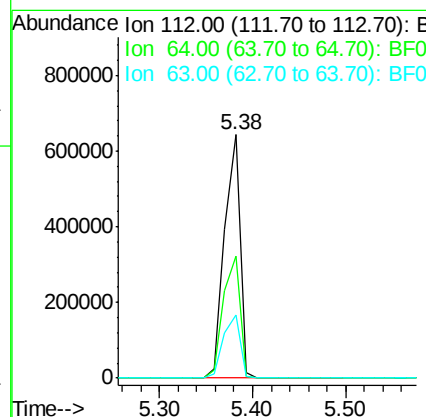
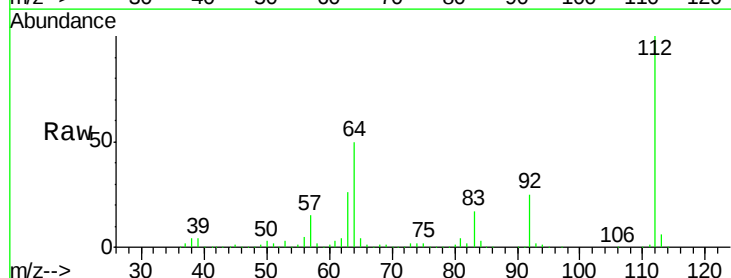
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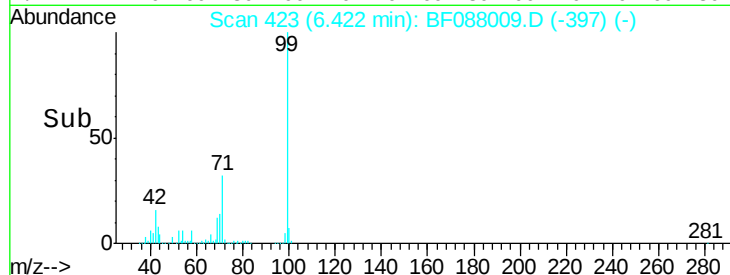
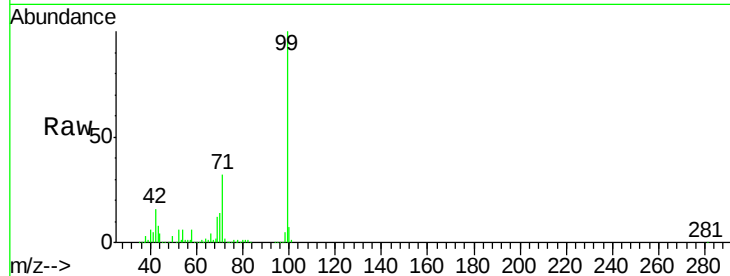


#5

2-Fluorophenol
Concen: 109.70 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	42.2	63.2
63	25.7	21.8	32.8





#7

Phenol-d6

Concen: 98.06 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Instrument :

BNA_F

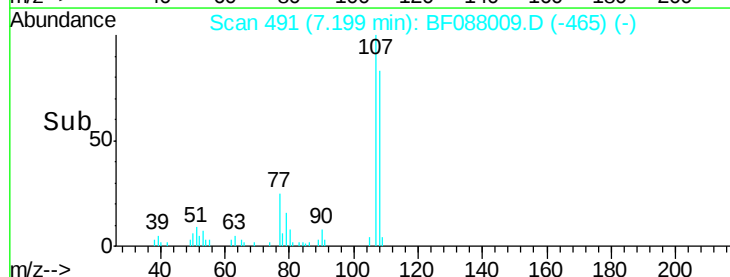
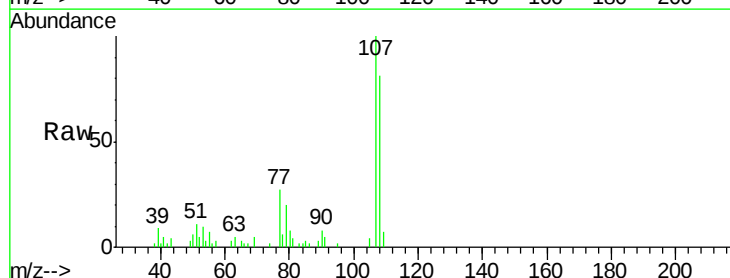
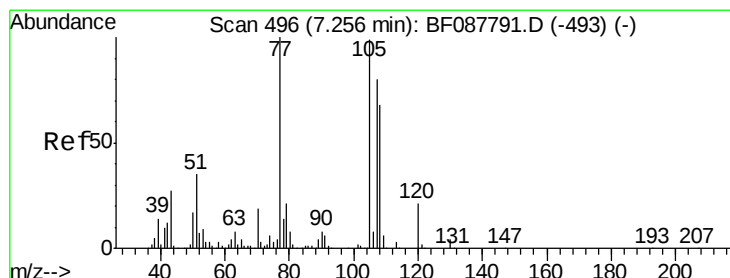
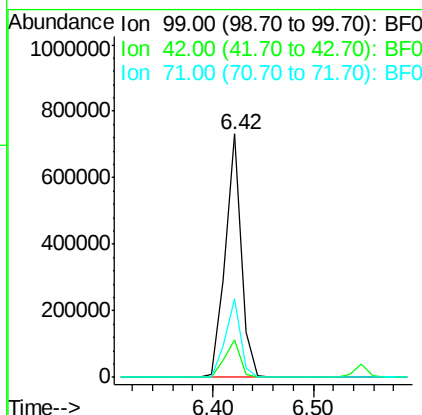
ClientSampleId :

S7-B2-(0-9)C

Tot Ion:	99	Resp:	805484
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.2	18.2
71	32.0	23.4	35.0

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#20

3+4-Methylphenols

Concen: 2.41 ng

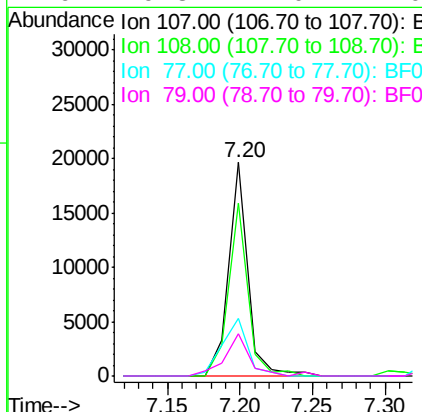
RT: 7.20 min Scan# 491

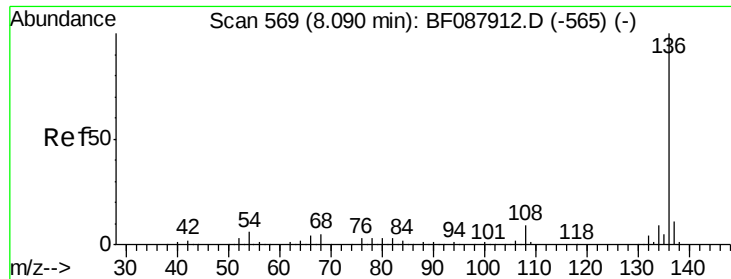
Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Tgt Ion:	107	Resp:	18281
Ion Ratio	Lower	Upper	
107	100		
108	81.1	67.8	107.8
77	27.1	59.3	99.3#
79	19.8	7.0	47.0





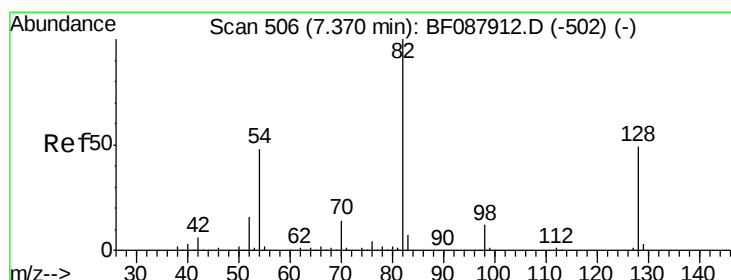
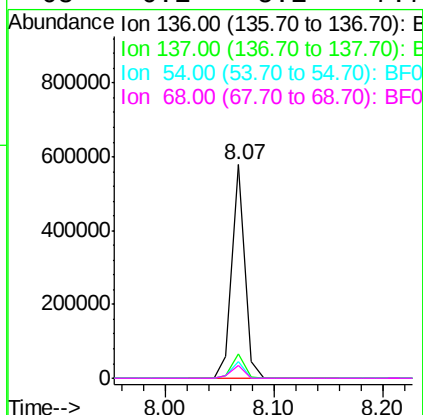
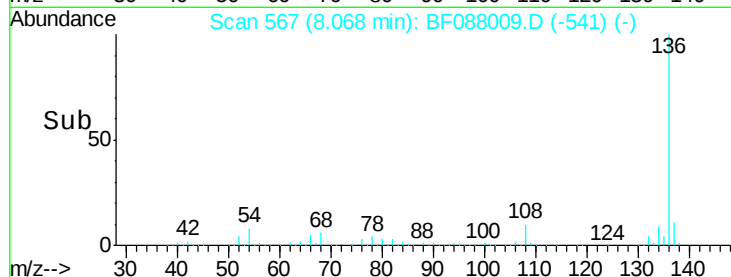
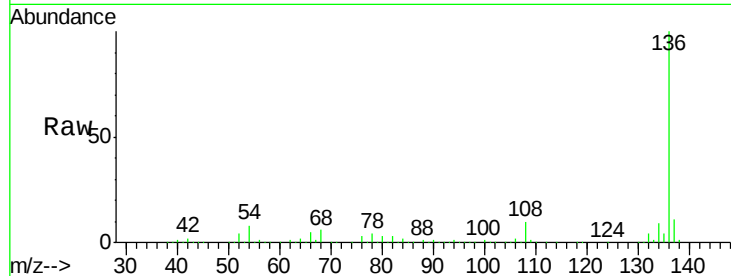
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Instrument :
BNA_F
ClientSampleId :
S7-B2-(0-9)C

Tot Ion	Ratio	Resp	Lower	Upper
136	100	472051		
137	11.1	9.1	13.7	
54	7.5	6.6	10.0	
68	6.1	5.1	7.7	

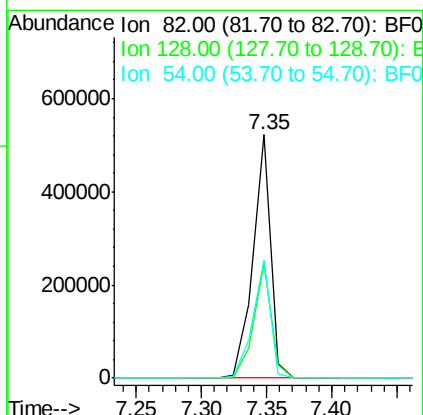
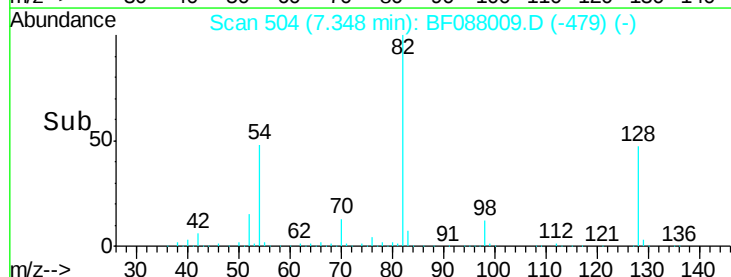
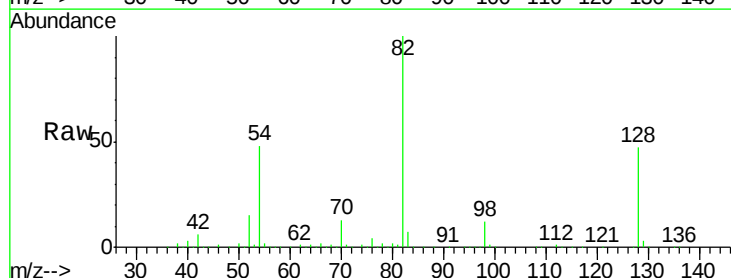
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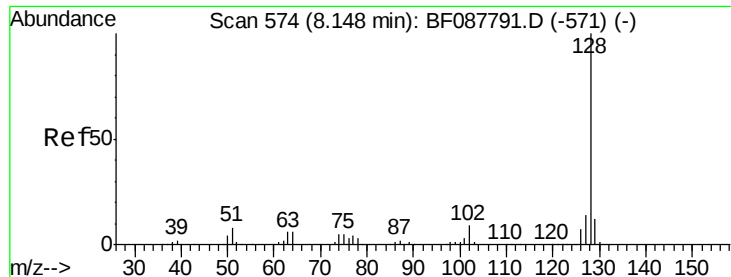
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#23
Nitrobenzene-d5
Concen: 61.22 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	494877		
128	46.9	35.9	53.9	
54	48.5	40.9	61.3	





#31

Naphthalene

Concen: 2.51 ng

RT: 8.09 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Instrument :

BNA_F

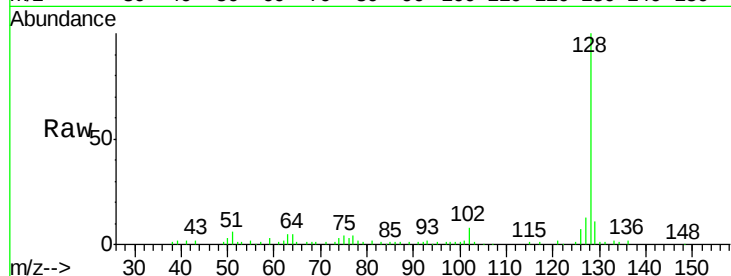
ClientSampleId :

S7-B2-(0-9)C

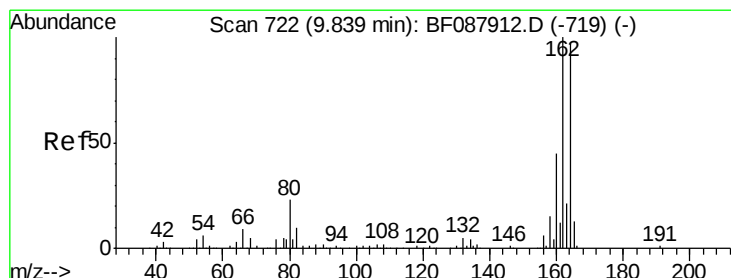
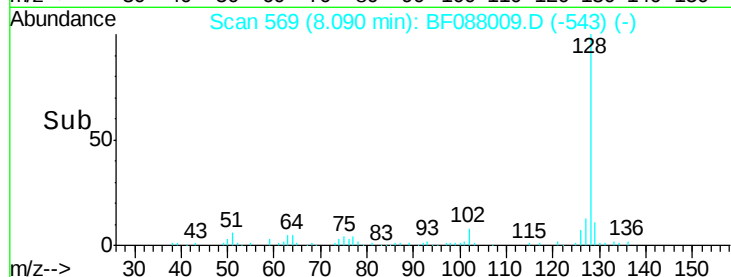
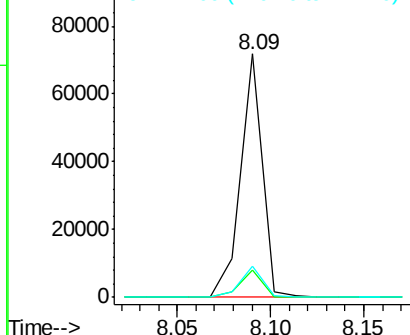
Tot Ion:	128	Resp:	58677
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.4	14.2
127	13.0	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

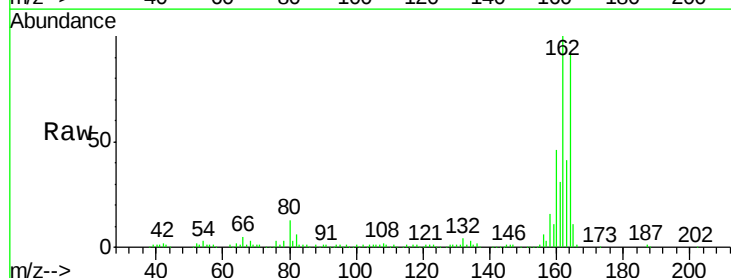
RT: 9.83 min Scan# 721

Delta R.T. 0.00 min

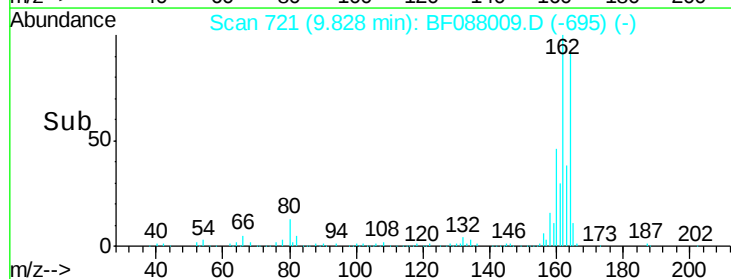
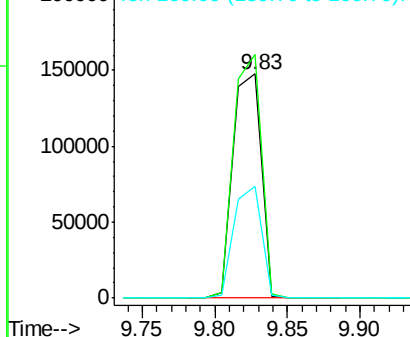
Lab File: BF088009.D

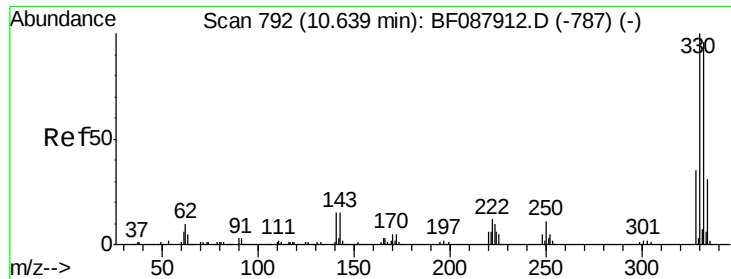
Acq: 14 Jun 2016 20:28

Tgt Ion:	164	Resp:	200641
Ion Ratio	Lower	Upper	
164	100		
162	108.6	85.4	128.2
160	50.0	39.5	59.3



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





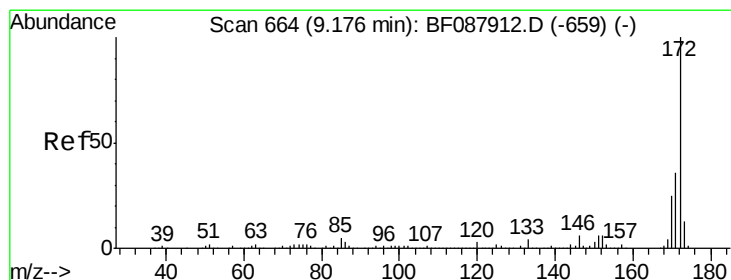
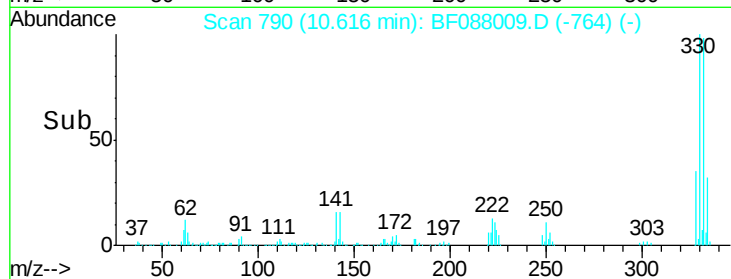
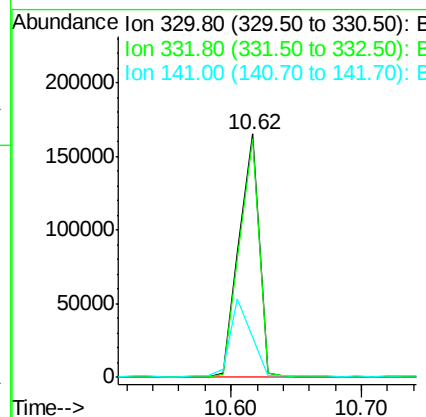
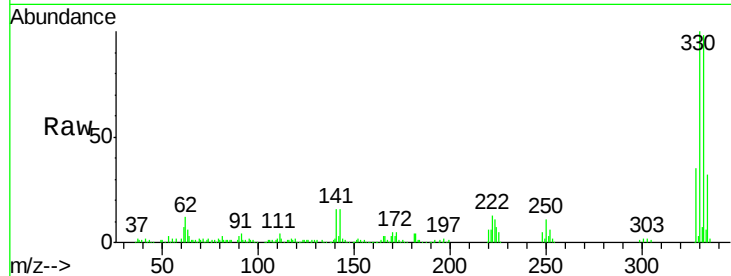
#41
 2,4,6-Tribromophenol
 Concen: 83.16 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF088009.D
 Acq: 14 Jun 2016 20:28

Instrument :
 BNA_F
 ClientSampleId :
 S7-B2-(0-9)C

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.3	0.0	0.0#
141	34.0	0.0	0.0#

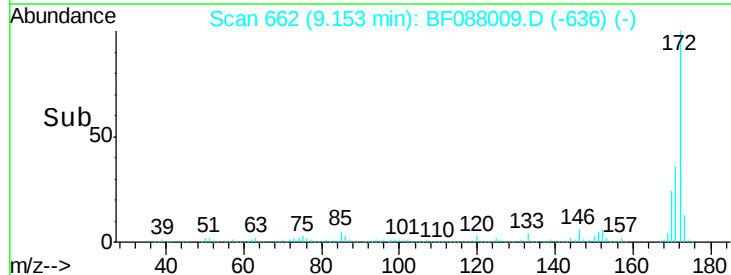
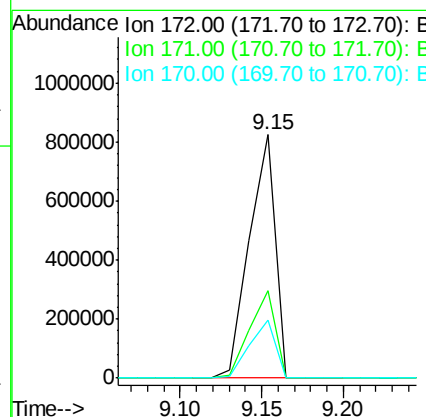
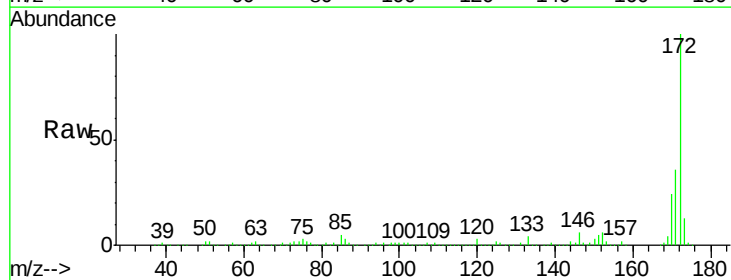
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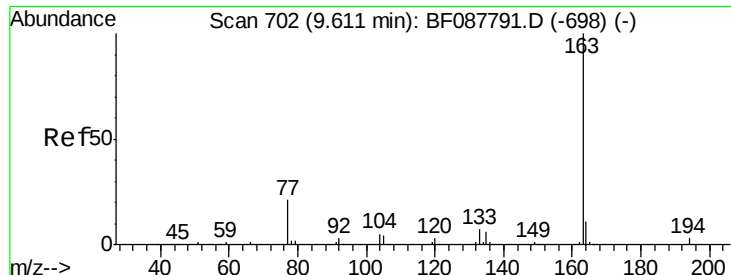
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#44
 2-Fluorobiphenyl
 Concen: 70.03 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088009.D
 Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.2	28.8





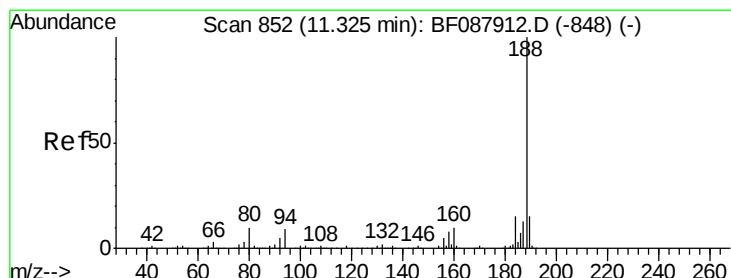
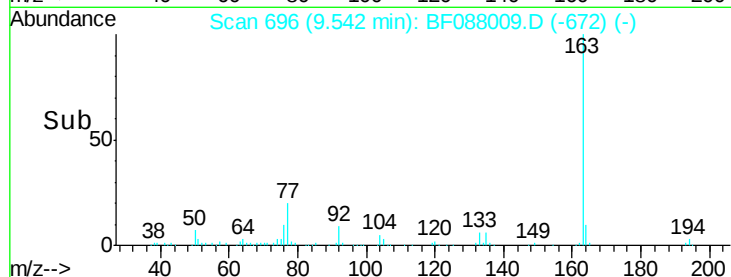
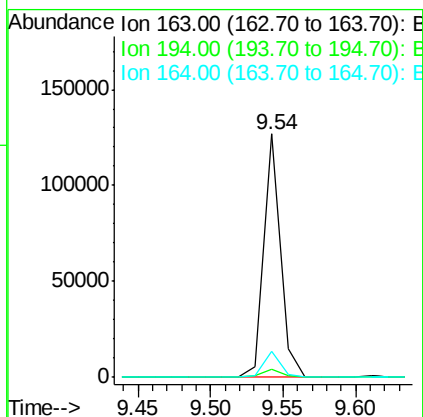
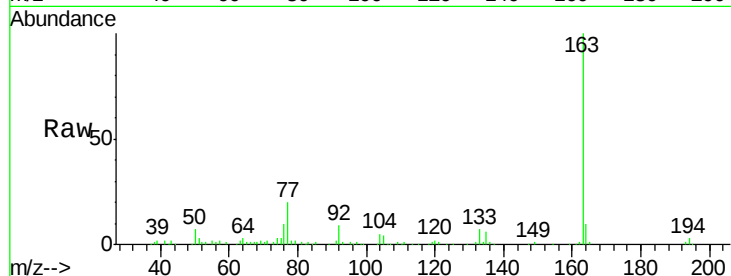
#49
Dimethylphthalate
Concen: 7.02 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Instrument :
BNA_F
ClientSampleId :
S7-B2-(0-9)C

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.4	8.3	12.5

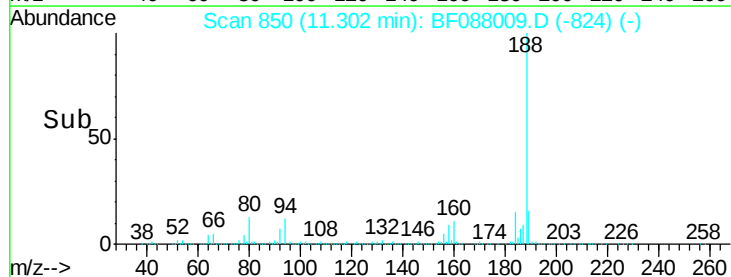
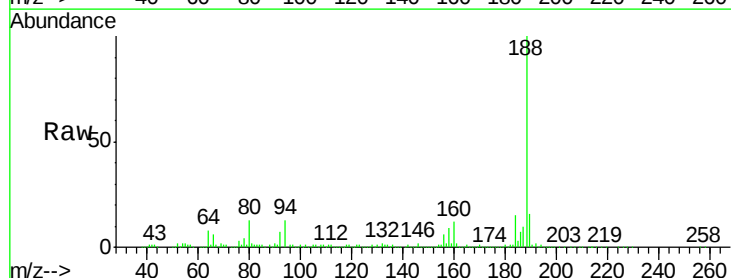
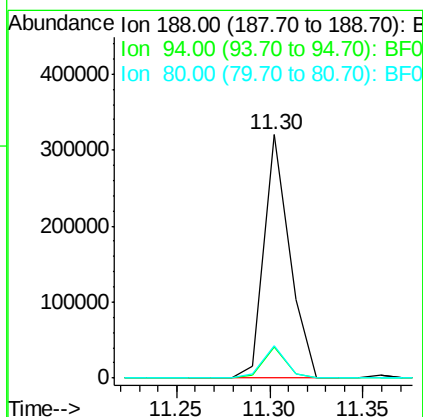
Manual Integrations
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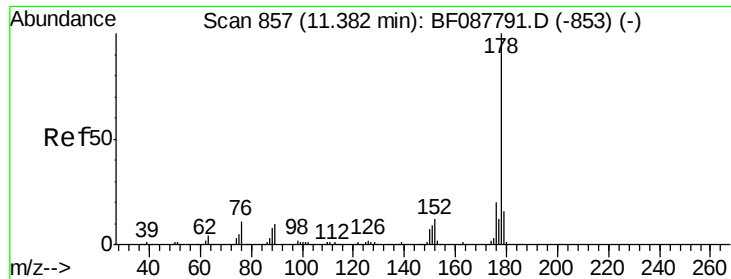
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.6	9.0	13.6
80	13.3	10.0	15.0





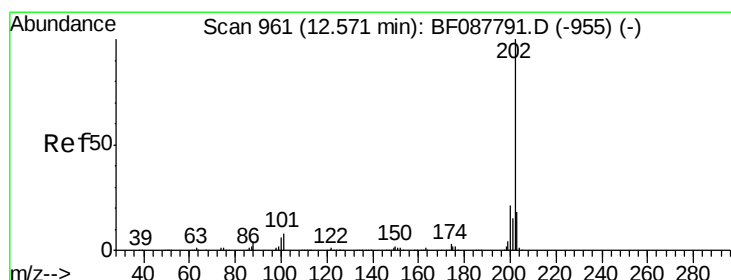
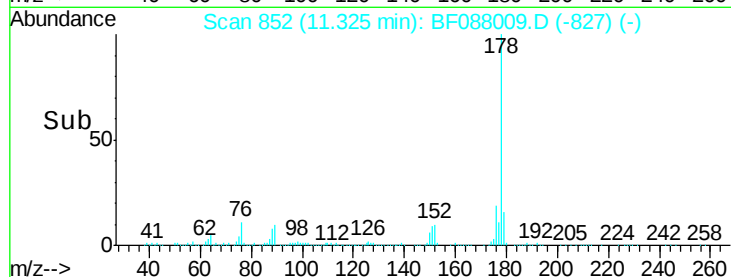
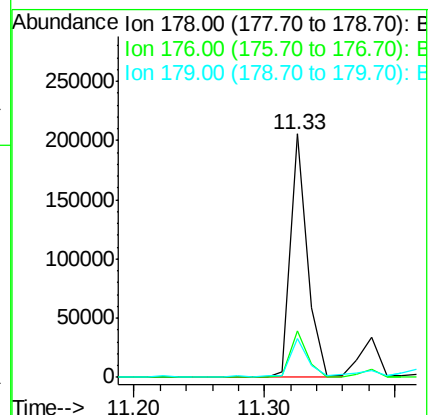
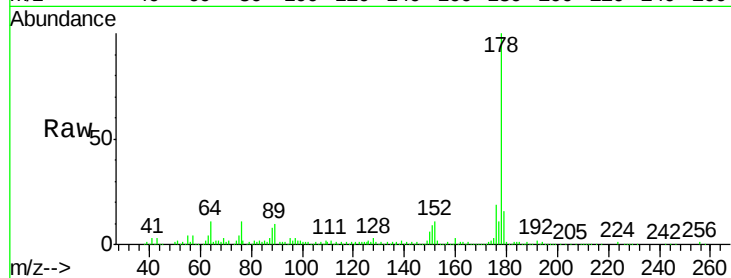
#70
Phenanthrene
Concen: 11.67 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Instrument :
BNA_F
ClientSampleId :
S7-B2-(0-9)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	16.1	13.0	19.4

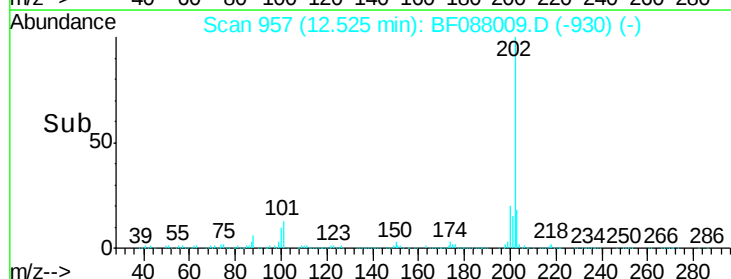
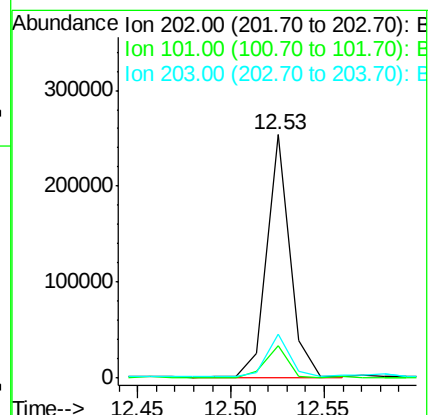
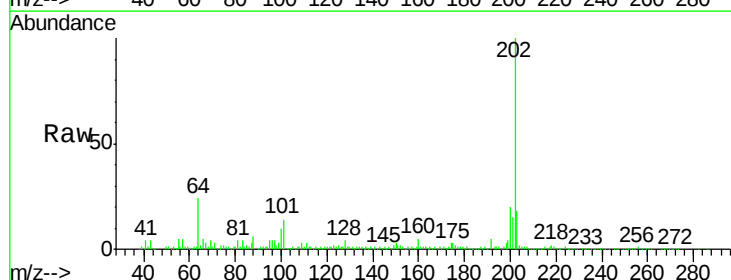
Manual Integrations
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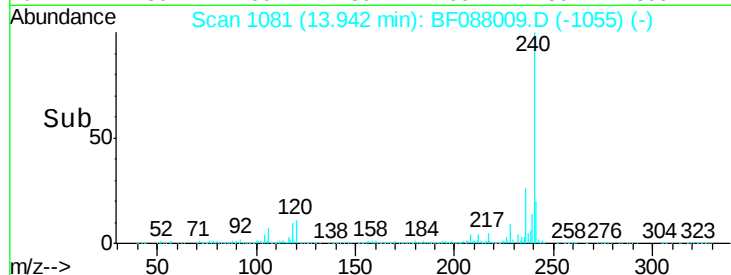
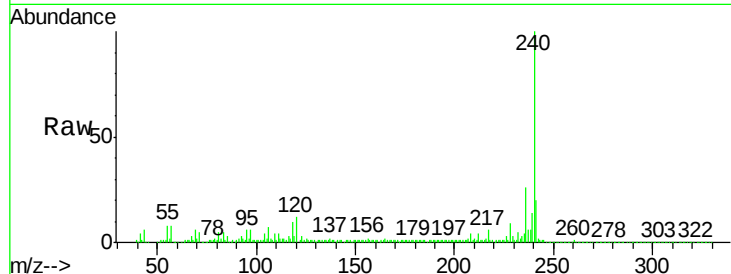
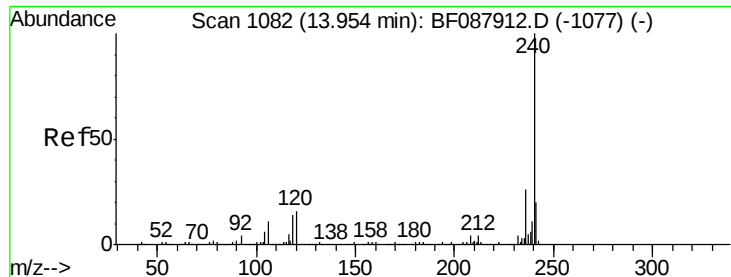
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#74
Fluoranthene
Concen: 12.99 ng
RT: 12.53 min Scan# 957
Delta R.T. 0.01 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.1
203	18.3	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: BF088009.D

Acq: 14 Jun 2016 20:28

Tot Ion:	240	Resp:	235929
Ion Ratio	Lower	Upper	
240	100		
120	11.7	6.8	10.2#
236	25.8	20.2	30.2

Instrument :

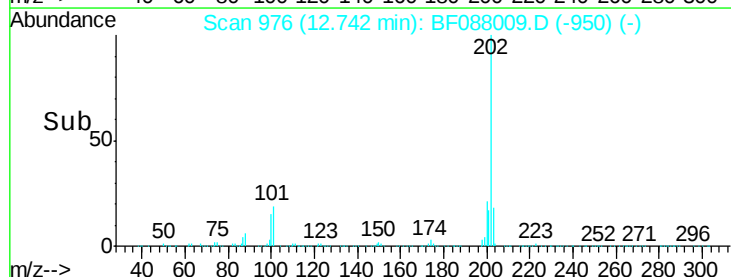
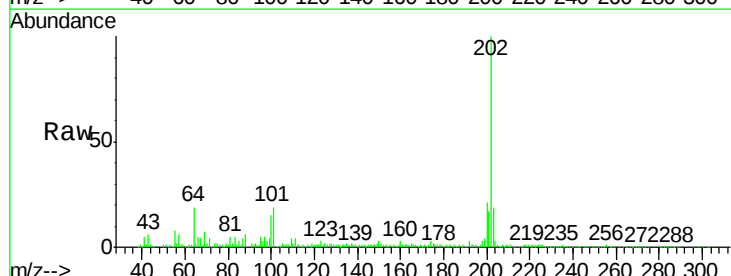
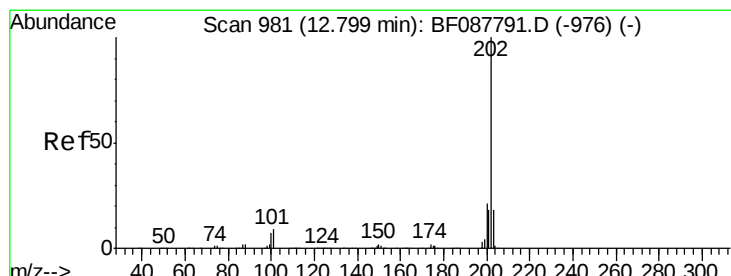
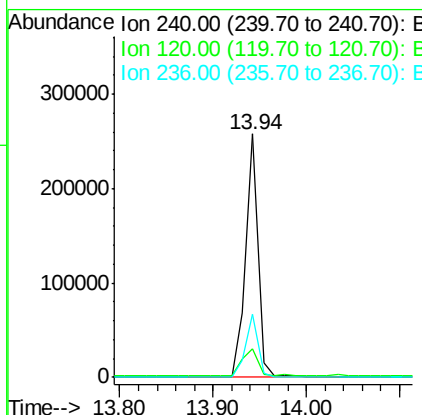
BNA_F

ClientSampleId :

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#77

Pyrene

Concen: 12.35 ng

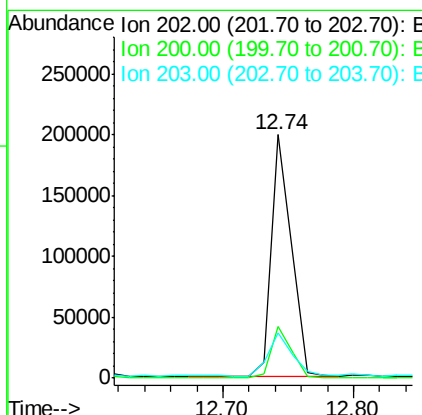
RT: 12.74 min Scan# 976

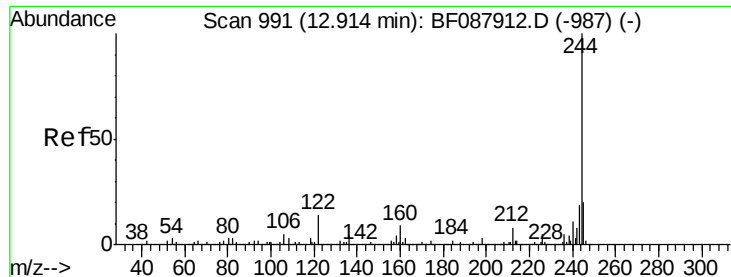
Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Tgt Ion:	202	Resp:	216155
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.6	14.5	21.7





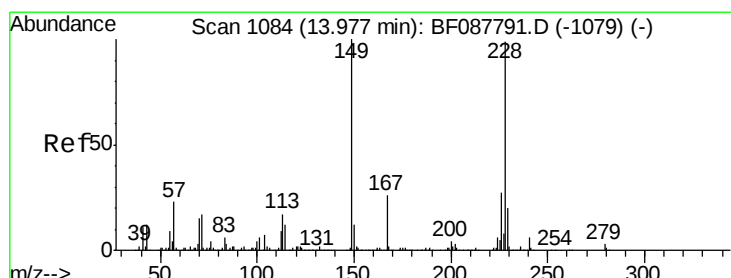
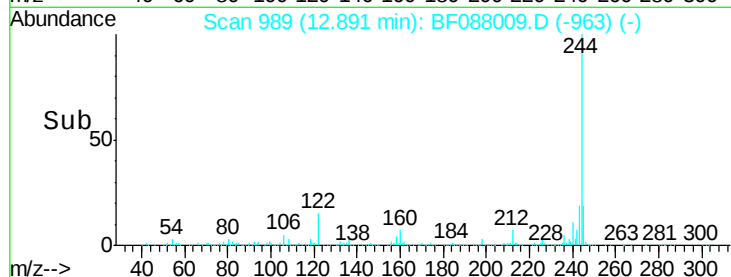
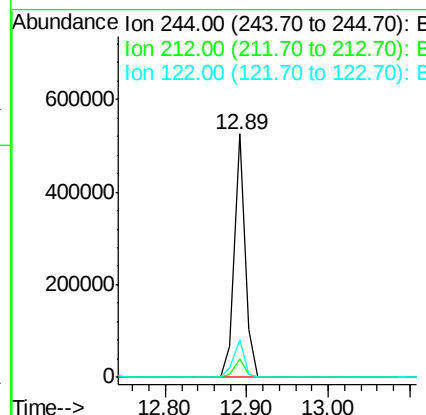
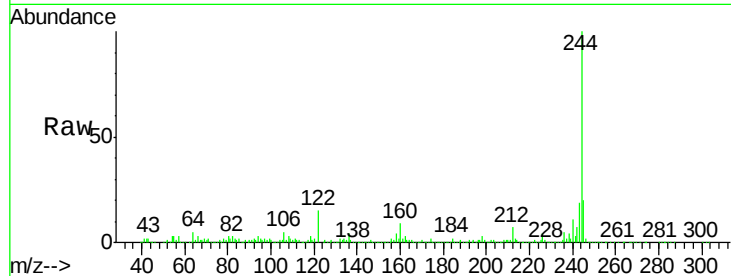
#78
 Terphenyl-d14
 Concen: 46.41 ng
 RT: 12.89 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BF088009.D
 Acq: 14 Jun 2016 20:28

Instrument :
 BNA_F
 ClientSampleId :
 S7-B2-(0-9)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	15.2	11.2	16.8

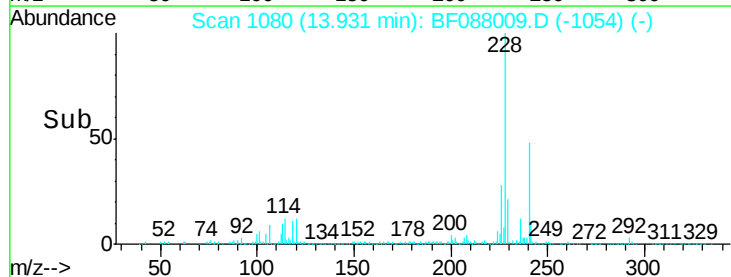
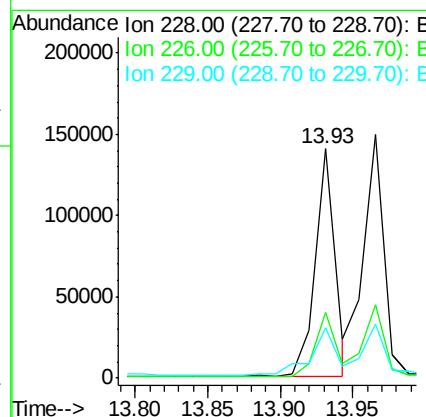
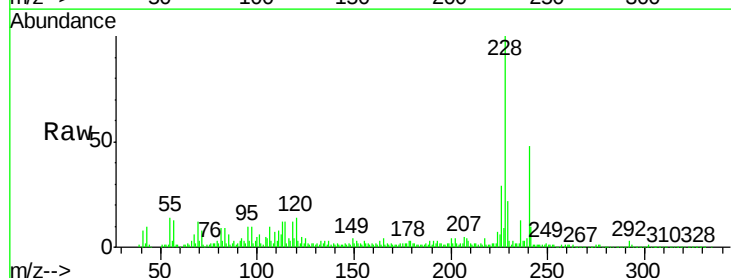
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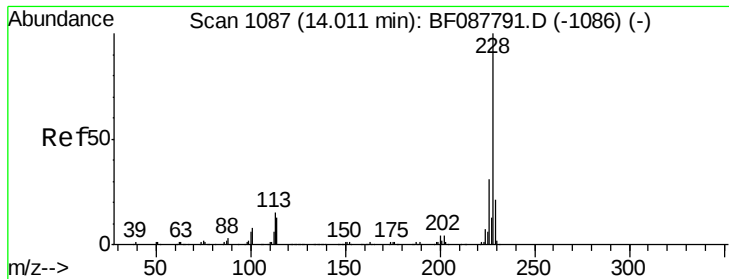
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#80
 Benzo(a)anthracene
 Concen: 9.97 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BF088009.D
 Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	21.8	16.0	24.0





#82

Chrysene

Concen: 11.84 ng/mL

RT: 13.97 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Instrument :

BNA_F

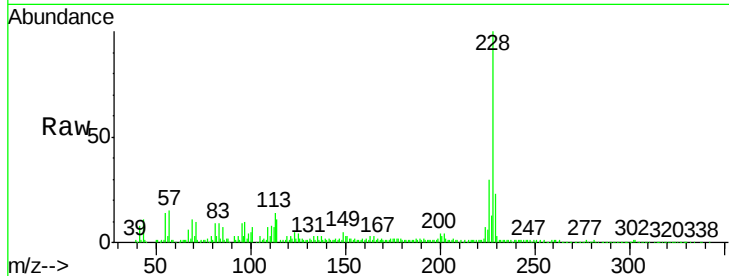
ClientSampleID :

S7-B2-(0-9)C

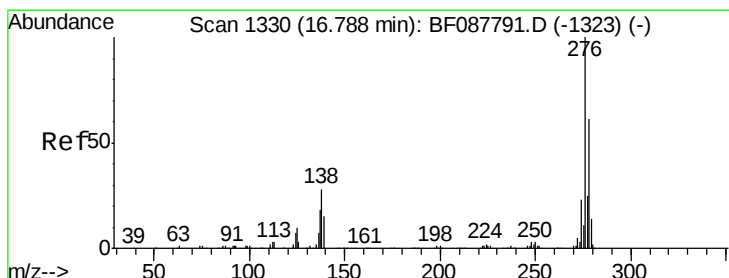
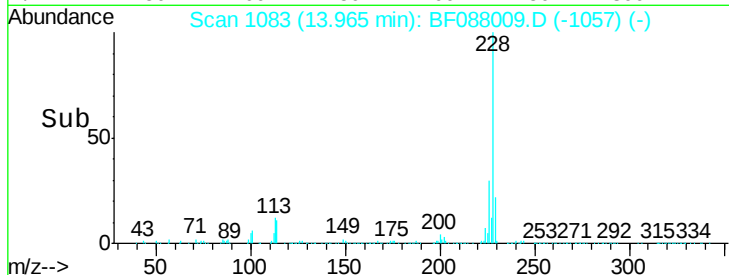
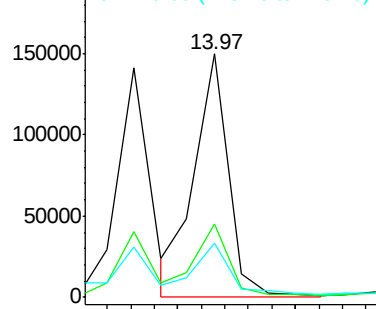
Tot Ion:	228	Resp:	149714
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.2
229	22.5	16.3	24.5

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.59 ng/mL

RT: 16.71 min Scan# 1323

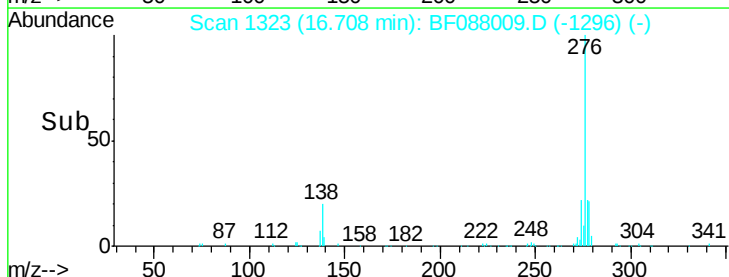
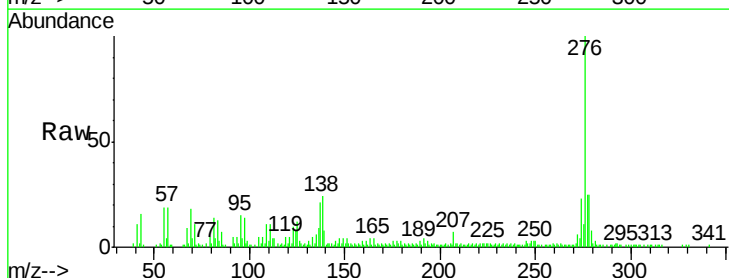
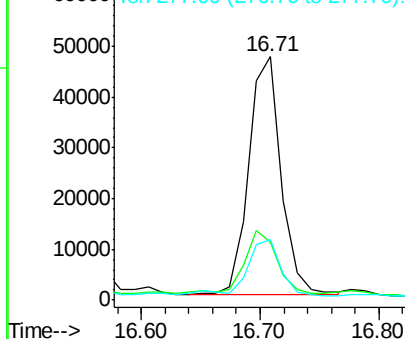
Delta R.T. 0.01 min

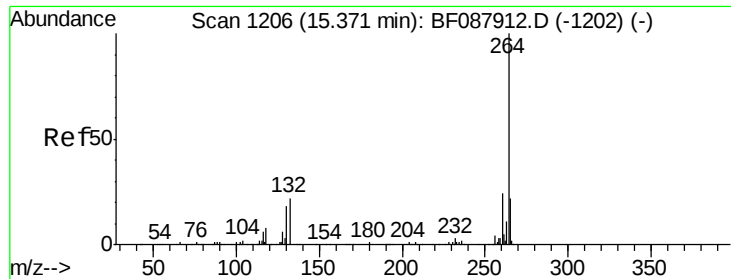
Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Tgt Ion:	276	Resp:	89182
Ion Ratio	Lower	Upper	
276	100		
138	27.5	0.0	0.0#
277	26.6	0.0	0.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Instrument :

BNA_F

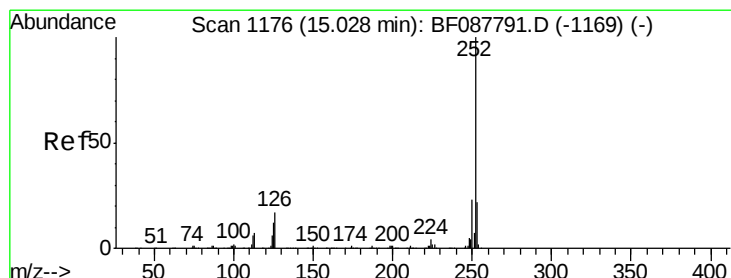
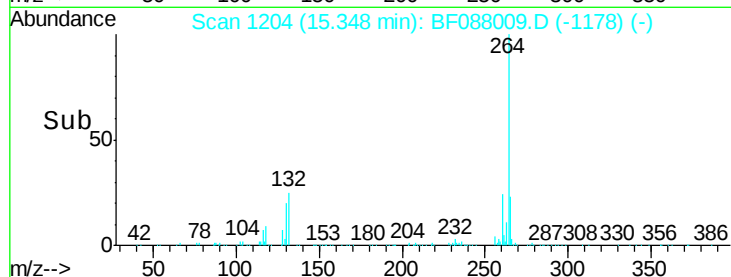
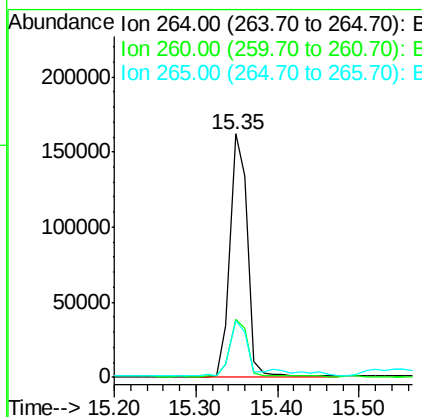
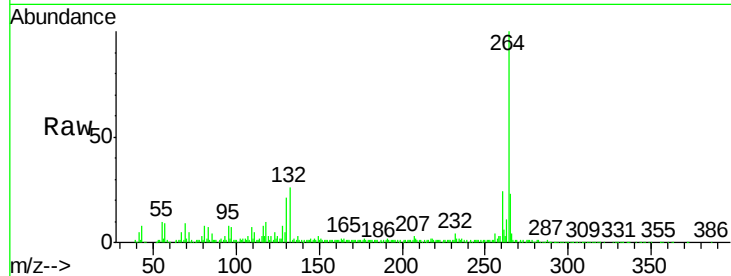
ClientSampleId :

S7-B2-(0-9)C

Tot Ion:	264	Resp:	239691
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	23.5	16.9	25.3

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#87

Benzo(b)fluoranthene

Concen: 14.29 ng m

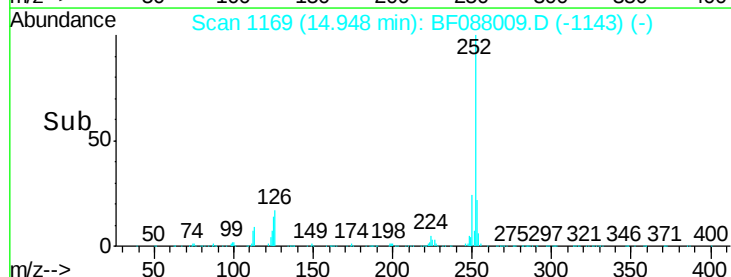
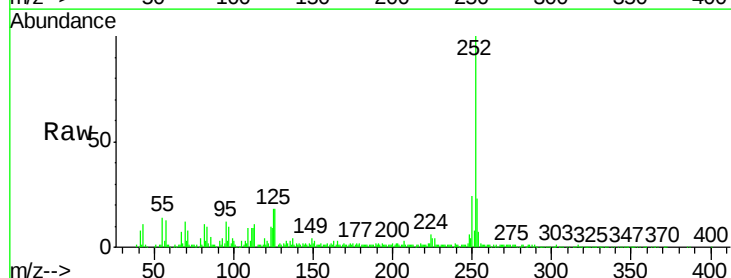
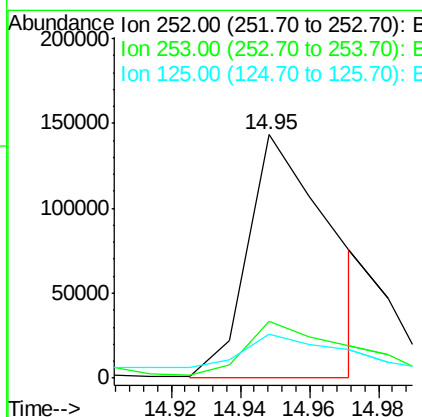
RT: 14.95 min Scan# 1169

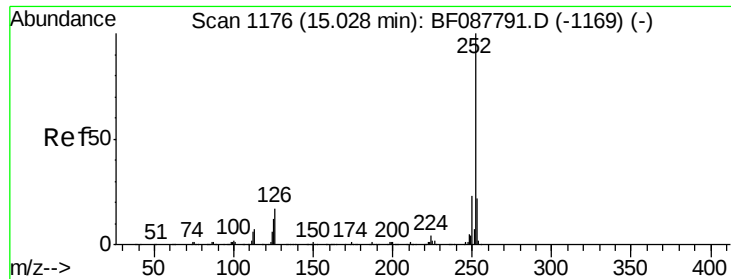
Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Tgt Ion:	252	Resp:	238806
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	18.1	7.1	10.7#





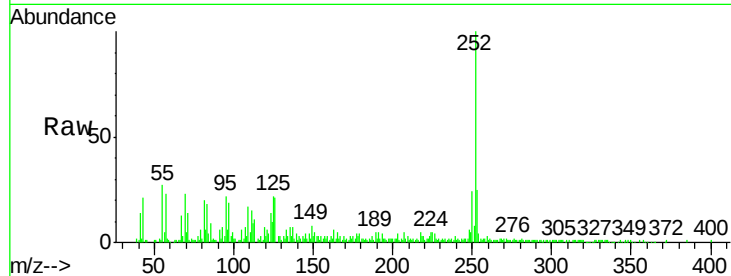
#88
Benzo(k)fluoranthene
Concen: 2.94 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Instrument :
BNA_F
ClientSampleId :
S7-B2-(0-9)C

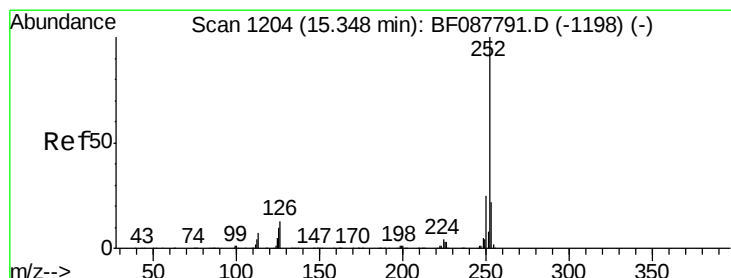
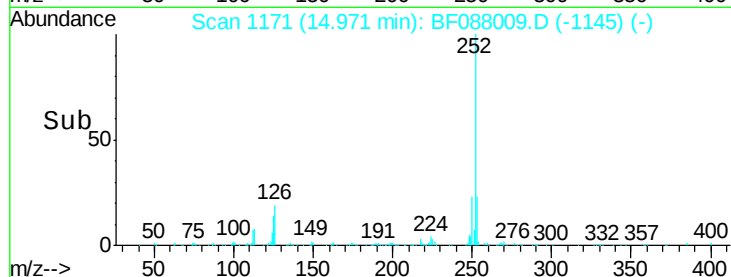
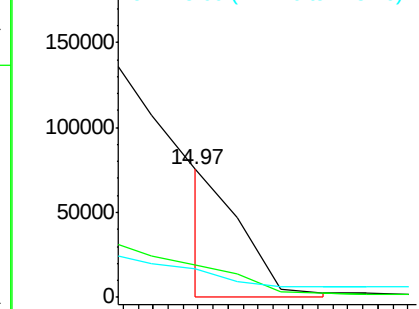
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	22.2	11.2	16.8

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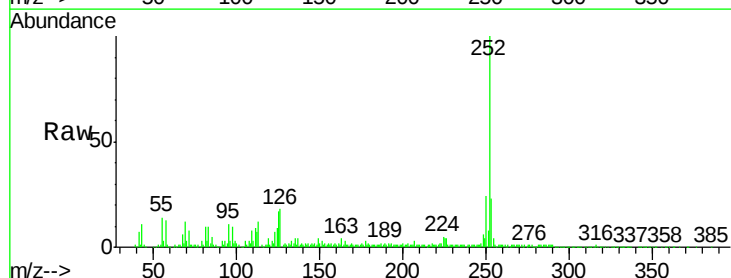


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

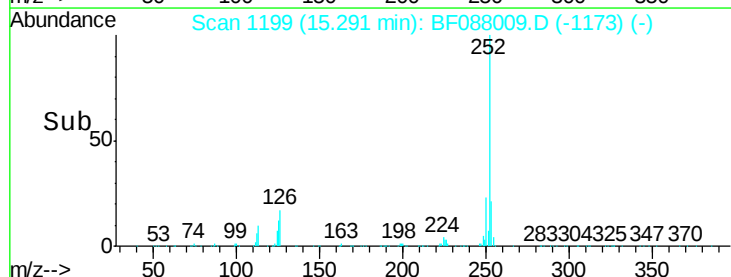
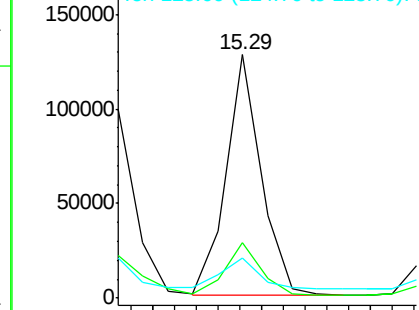


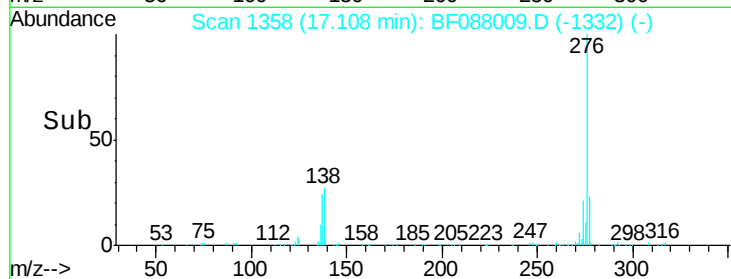
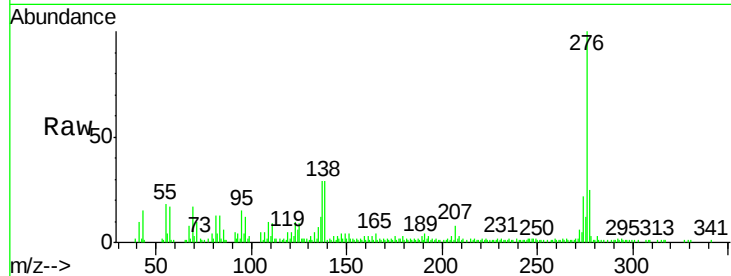
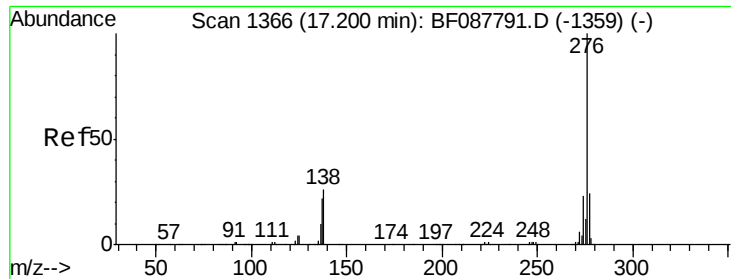
#89
Benzo(a)pyrene
Concen: 10.51 ng
RT: 15.29 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF088009.D
Acq: 14 Jun 2016 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	16.5	12.5	18.7



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: 6.86 ng

RT: 17.11 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF088009.D

Acq: 14 Jun 2016 20:28

Instrument :

BNA_F

ClientSampleId :

S7-B2-(0-9)C

Tot Ion:	276	Resp:	88639
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	29.1	21.4	32.2

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