

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088421.D
 Acq On : 26 Jun 2016 16:32
 Operator : UM/SJ
 Sample : H3663-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

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Quant Time: Jun 27 17:27:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	72509	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	296685	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	141943	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	252508	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	183546	20.00	ng	-0.07
86) Perylene-d12	15.03	264	167042	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	585369	138.01	ng	-0.03
7) Phenol-d6	6.22	99	683761	133.02	ng	-0.05
23) Nitrobenzene-d5	7.12	82	433561	85.33	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	169210	112.90	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	807772	89.71	ng	-0.06
78) Terphenyl-d14	12.64	244	706863	87.63	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	7.85	128	55072	3.75	ng	99
49) Dimethylphthalate	9.31	163	126520	12.30	ng	99
51) Acenaphthene	9.61	154	40387	4.43	ng	98
54) Dibenzofuran	9.78	168	27603	2.20	ng	# 90
70) Phenanthrene	11.07	178	366748	27.68	ng	98
71) Anthracene	11.13	178	126757	9.48	ng	98
72) Carbazole	11.30	167	62981	5.04	ng	99
74) Fluoranthene	12.26	202	589254	42.14	ng	97
77) Pyrene	12.48	202	501301	36.81	ng	96
80) Benzo(a)anthracene	13.67	228	294645	28.17	ng	98
82) Chrysene	13.70	228	243762	24.77	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	197102	21.56	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	350111m	30.07	ng	
88) Benzo(k)fluoranthene	14.69	252	148059m	16.86	ng	
89) Benzo(a)pyrene	14.98	252	284737m	30.23	ng	
90) Dibenzo(a,h)anthracene	16.25	278	39802m	4.55	ng	
91) Benzo(g,h,i)perylene	16.62	276	211599	23.51	ng	98

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

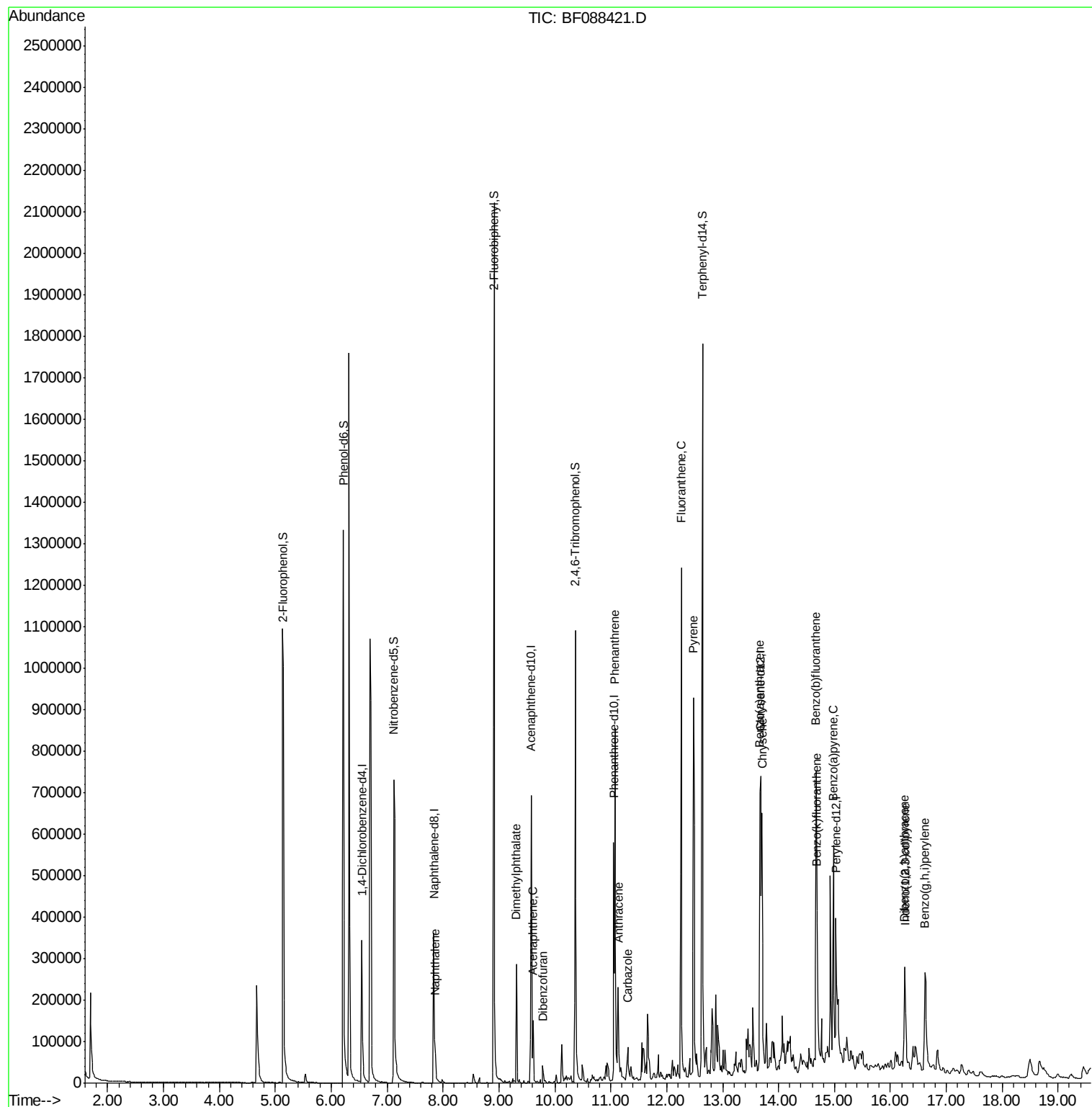
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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#1

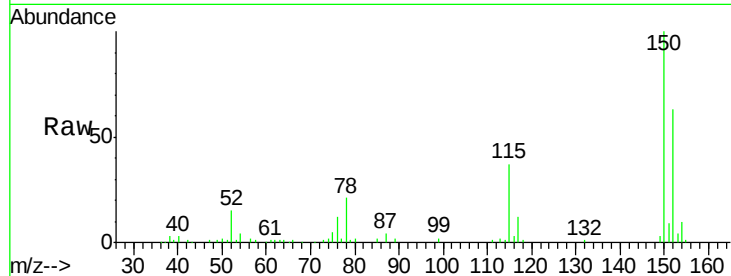
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampleId :
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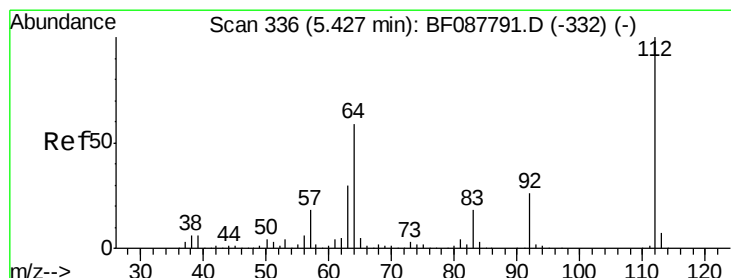
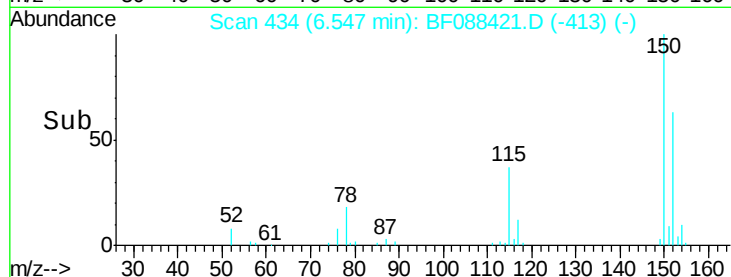
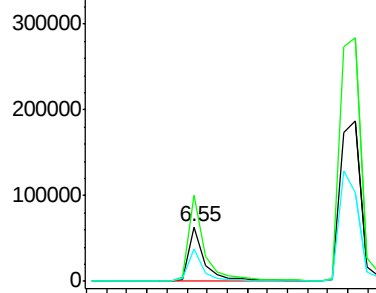
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.8	185.6
115	58.5	39.6	59.4

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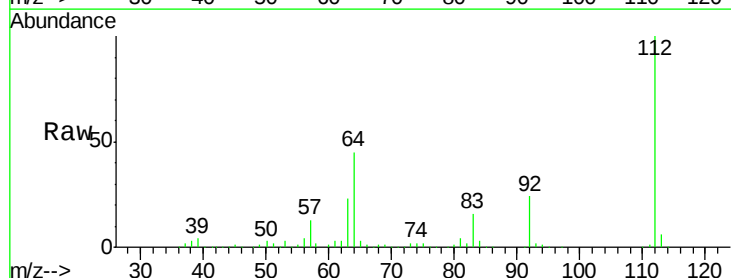
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



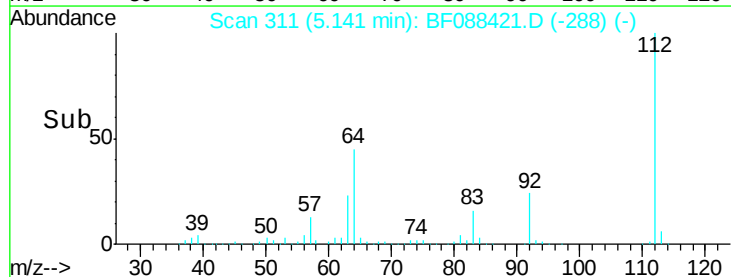
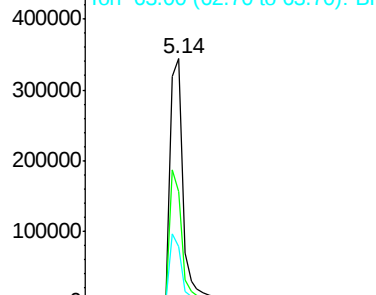
#5

2-Fluorophenol
Concen: 138.01 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.4	42.2	63.2
63	23.0	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: 133.02 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

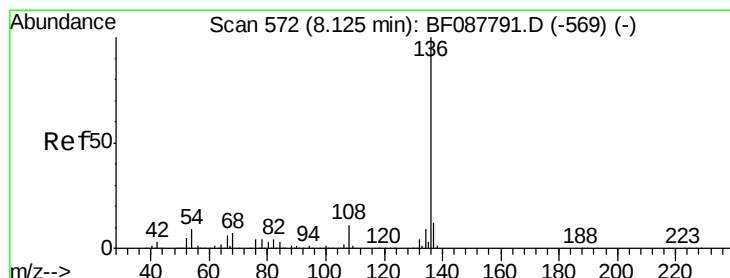
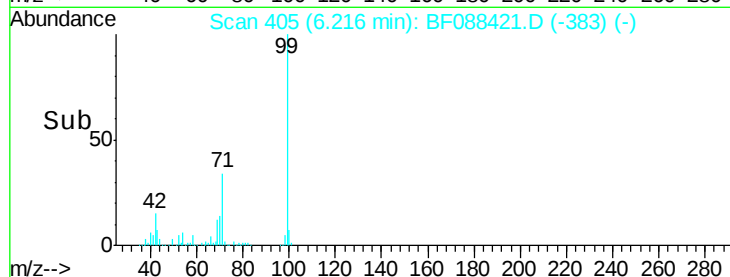
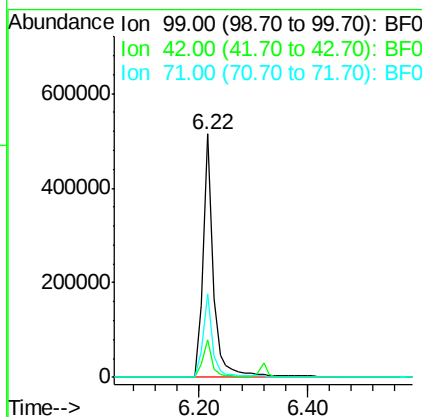
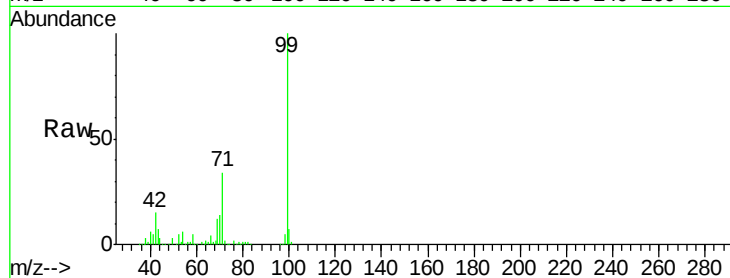
ClientSampled :

TP-12

Tot Ion:	99	Resp:	683761
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.2	18.2
71	34.1	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

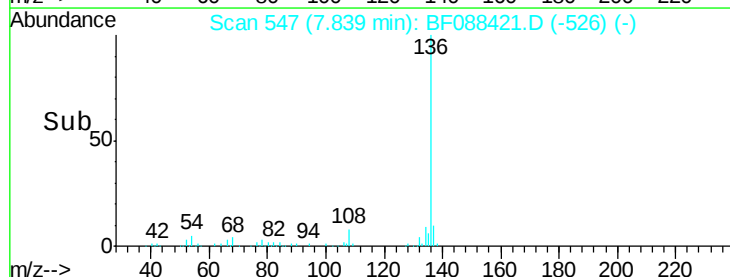
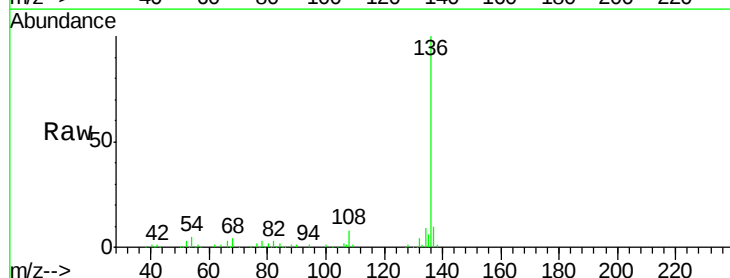
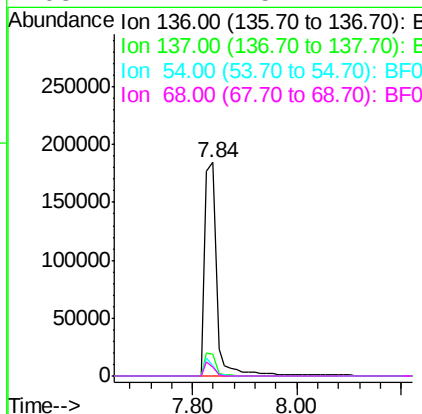
RT: 7.84 min Scan# 547

Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:	136	Resp:	296685
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	4.8	6.6	10.0#
68	4.1	5.1	7.7#





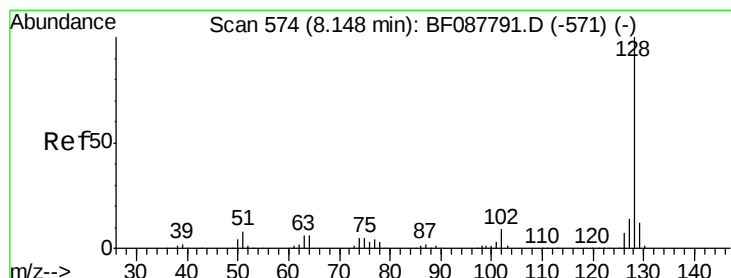
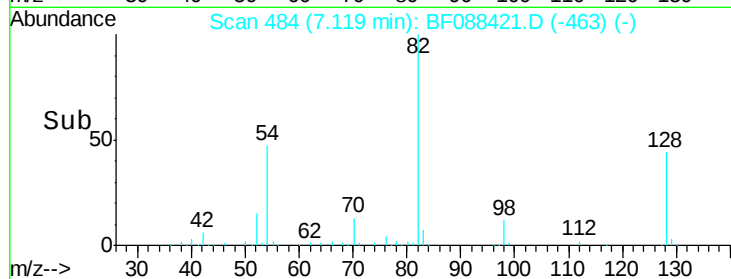
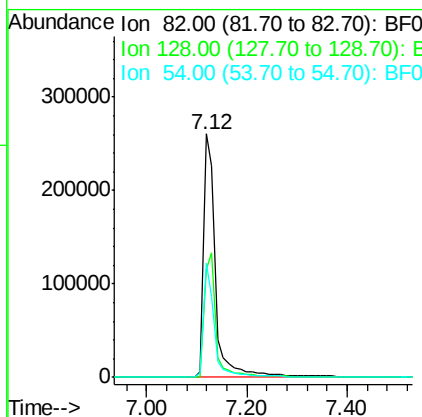
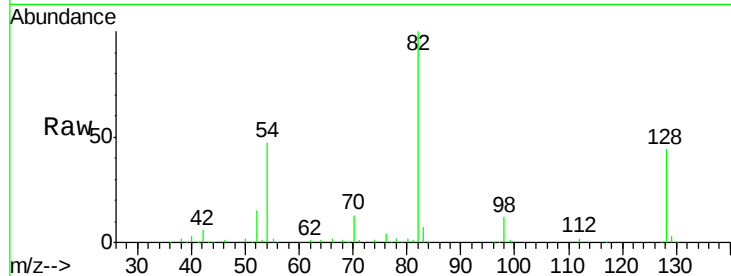
#23
Nitrobenzene-d5
Concen: 85.33 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.06 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.9	53.9
54	47.1	40.9	61.3

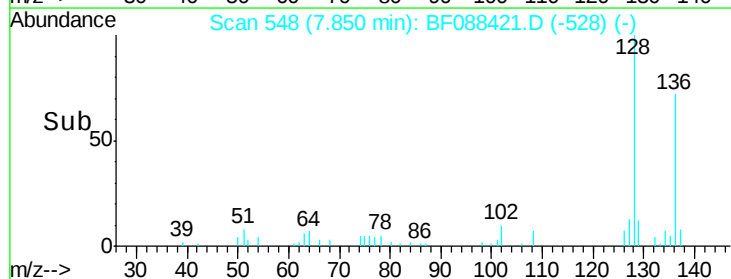
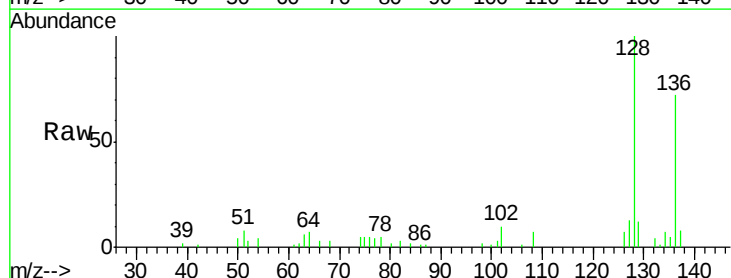
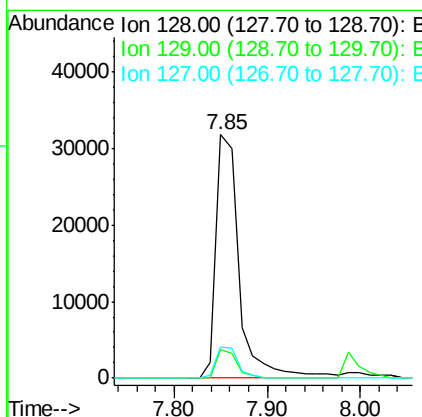
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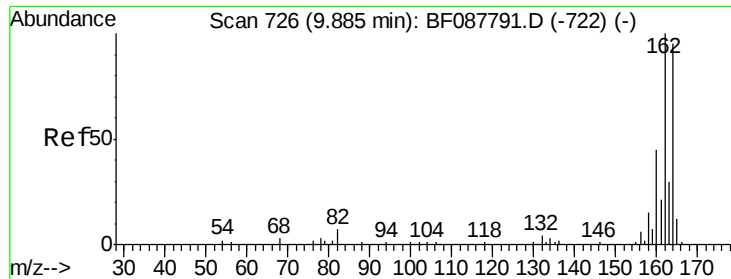
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#31
Naphthalene
Concen: 3.75 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF088421.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	12.6	10.9	16.3





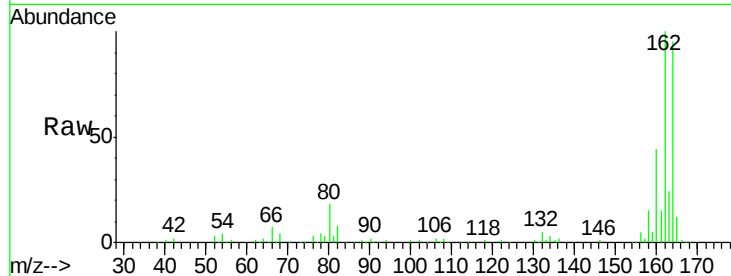
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampleId :
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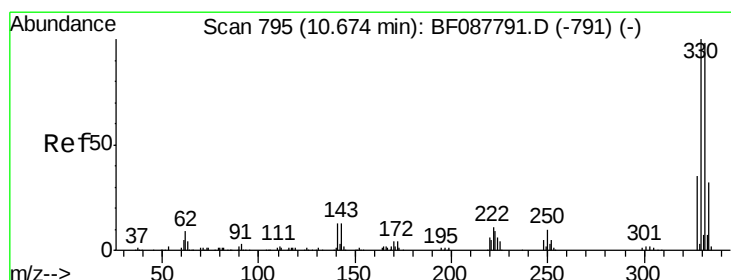
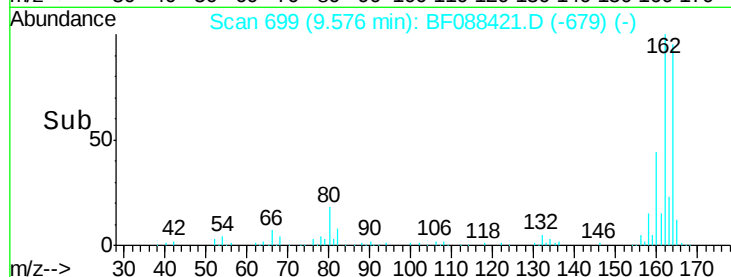
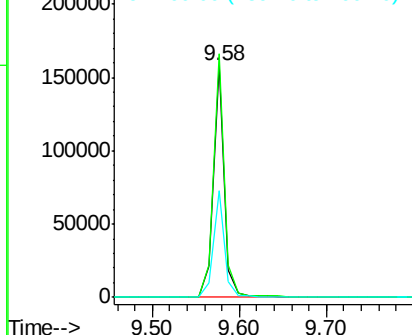
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.4	128.2
160	46.1	39.5	59.3

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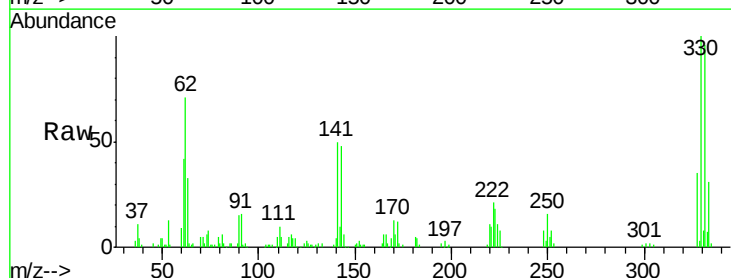


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

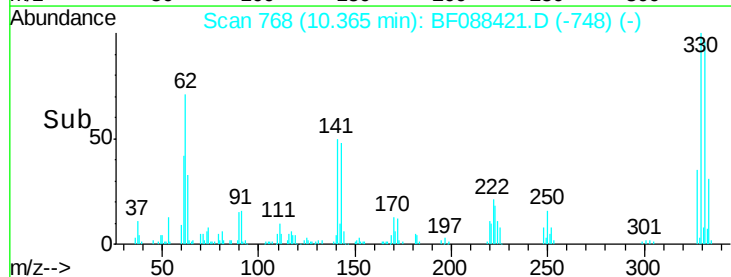
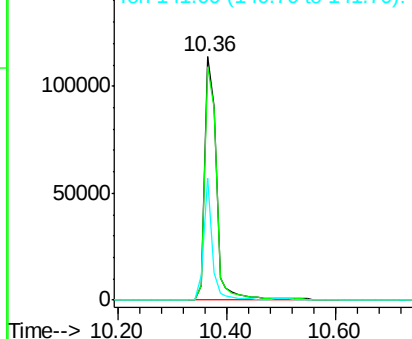


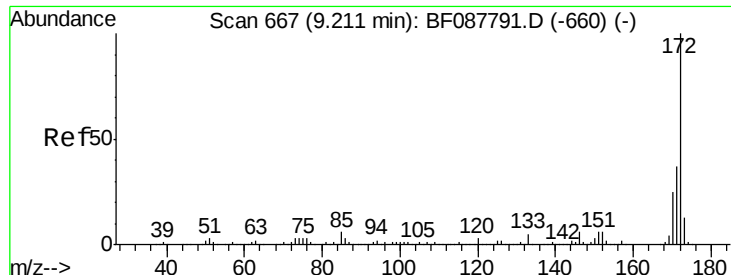
#41
2,4,6-Tribromophenol
Concen: 112.90 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	36.9	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





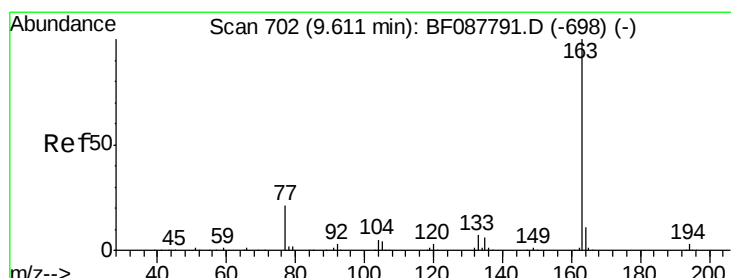
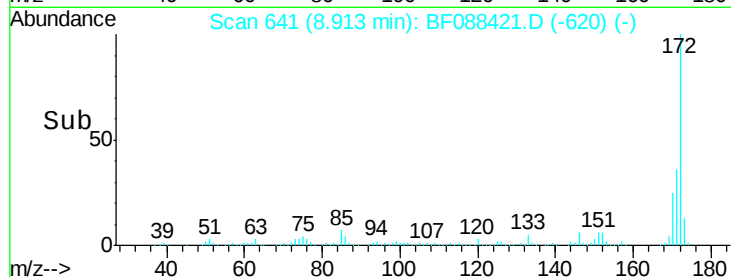
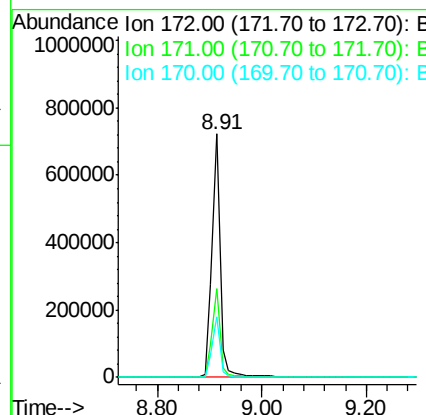
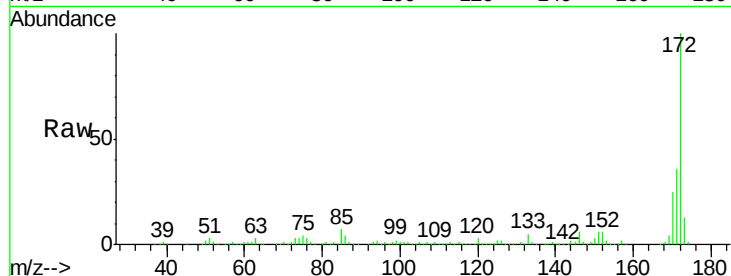
#44
2-Fluorobiphenyl
Concen: 89.71 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
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ClientSampled :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.6	19.2	28.8

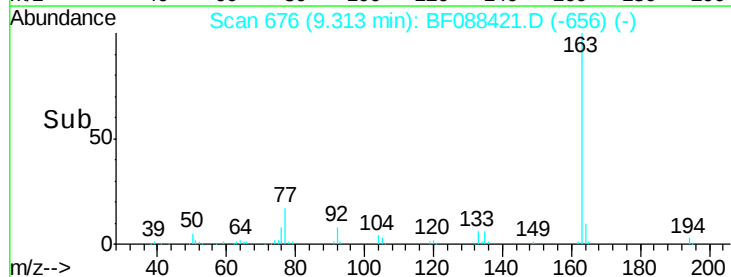
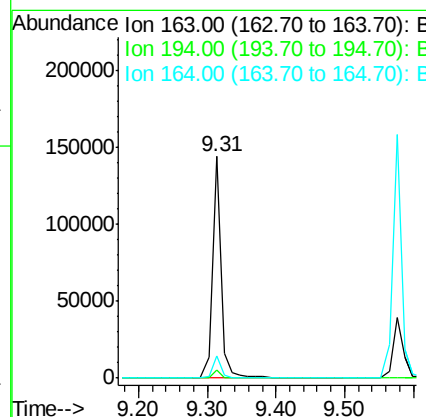
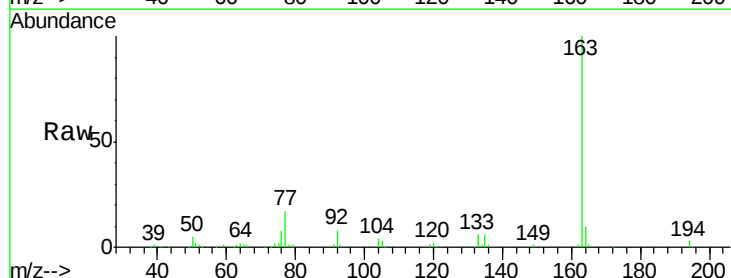
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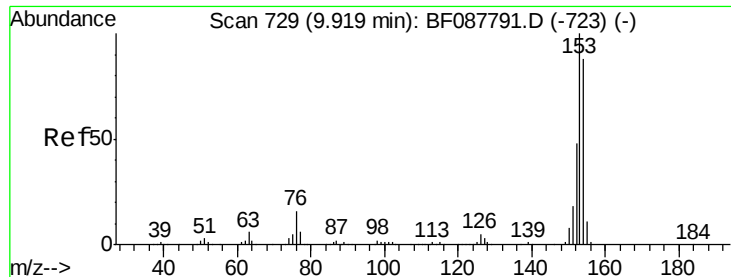
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#49
Dimethylphthalate
Concen: 12.30 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.7	8.3	12.5





#51

Acenaphthene

Concen: 4.43 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

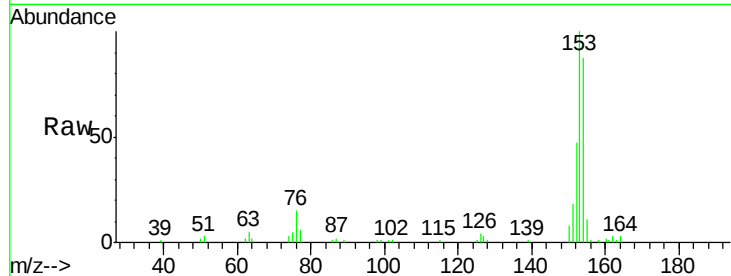
ClientSampled :

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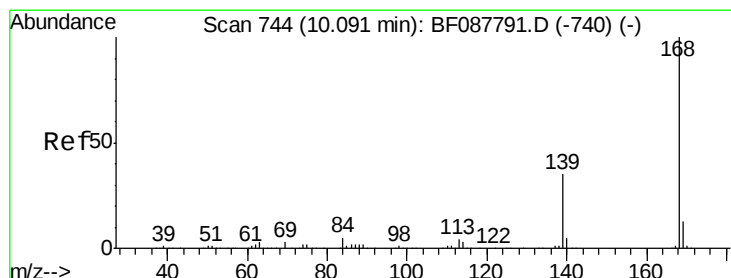
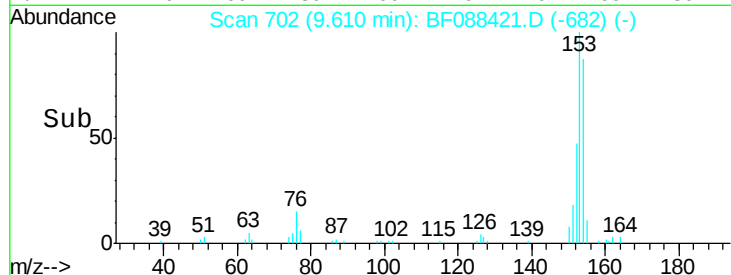
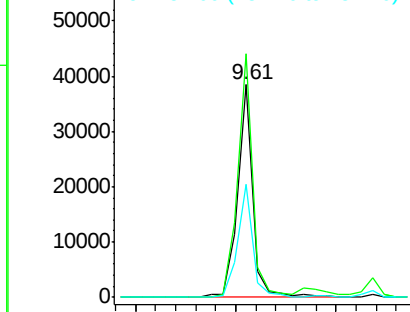
Tot Ion:	154	Resp:	40387
Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.5	134.3
152	53.4	42.7	64.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.20 ng

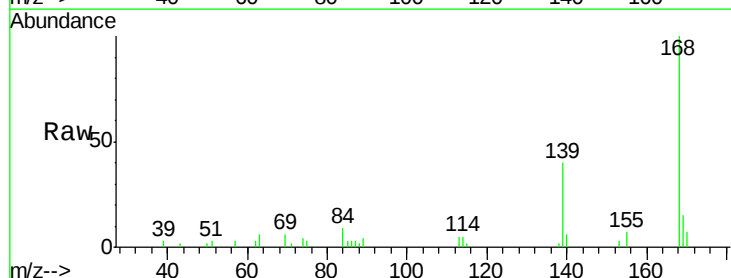
RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

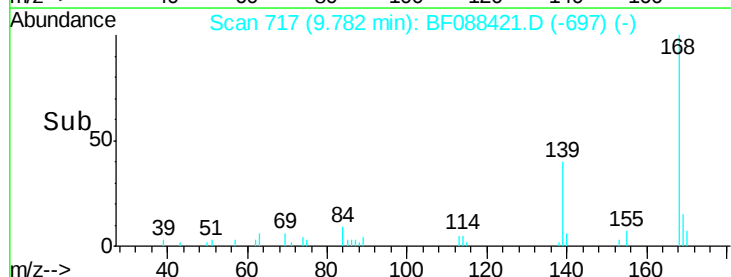
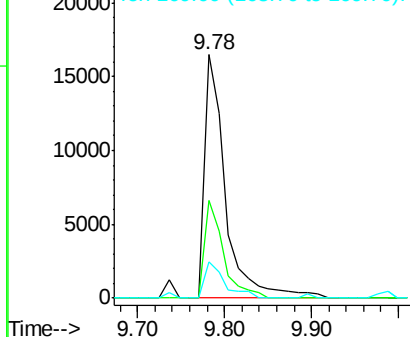
Lab File: BF088421.D

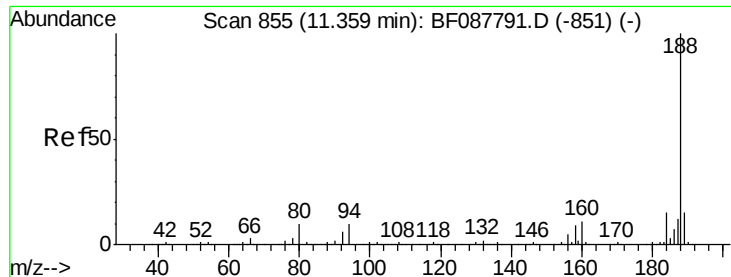
Acq: 26 Jun 2016 16:32

Tgt Ion:	168	Resp:	27603
Ion	Ratio	Lower	Upper
168	100		
139	39.9	26.4	39.6#
169	14.7	10.4	15.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





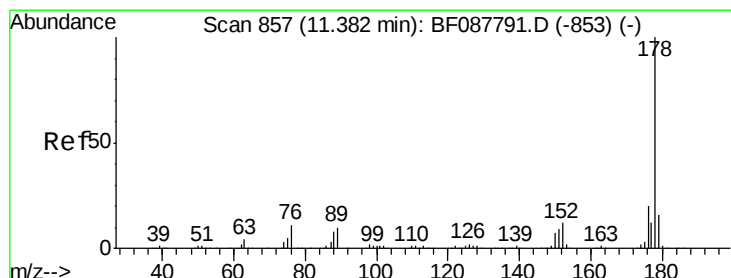
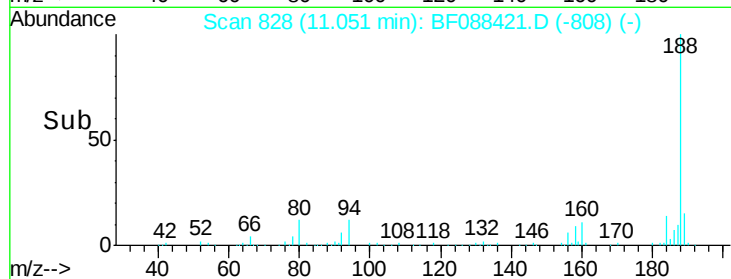
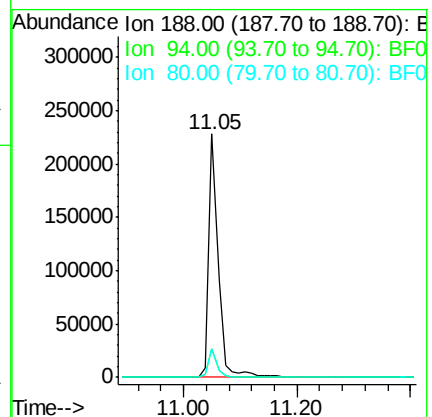
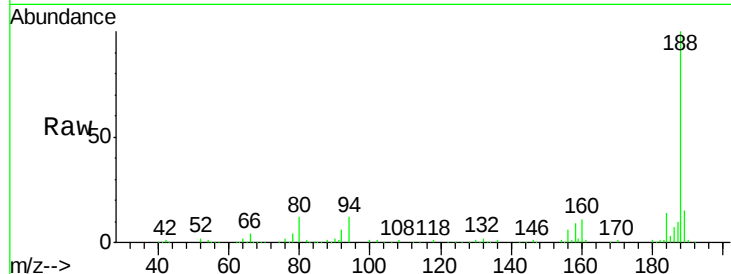
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	252508		
94	11.6		9.0	13.6
80	11.9		10.0	15.0

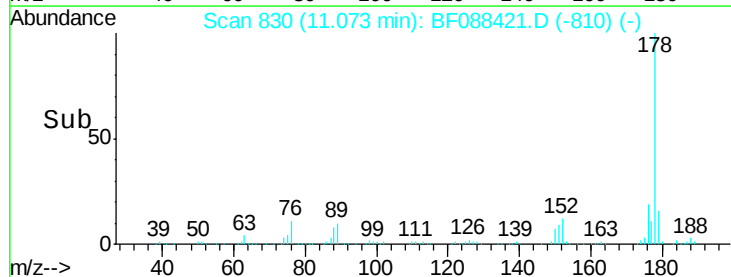
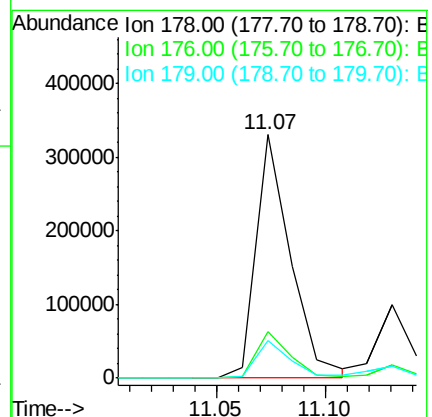
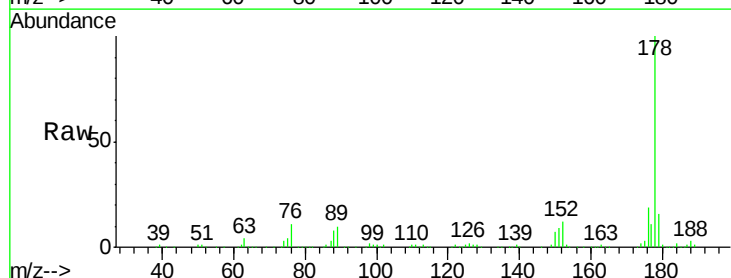
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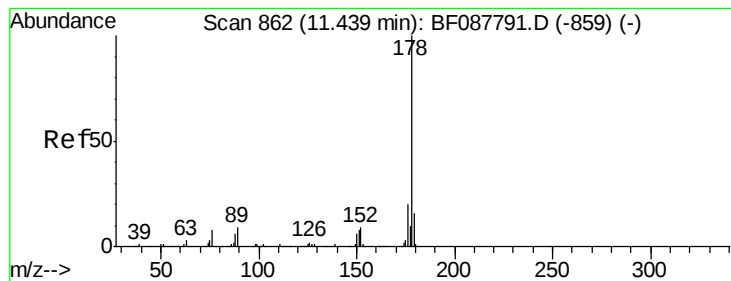
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#70
Phenanthrene
Concen: 27.68 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	366748		
176	19.0		15.8	23.6
179	15.6		13.0	19.4





#71

Anthracene

Concen: 9.48 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

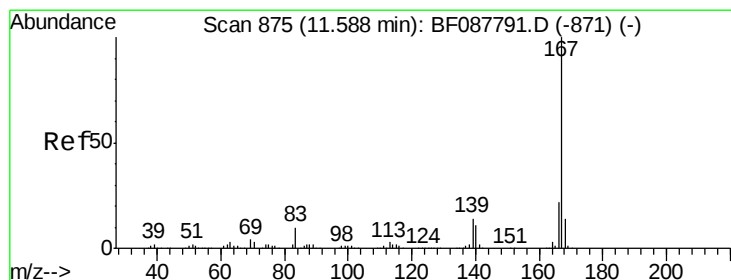
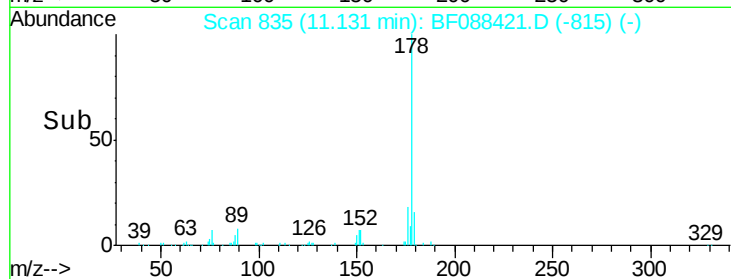
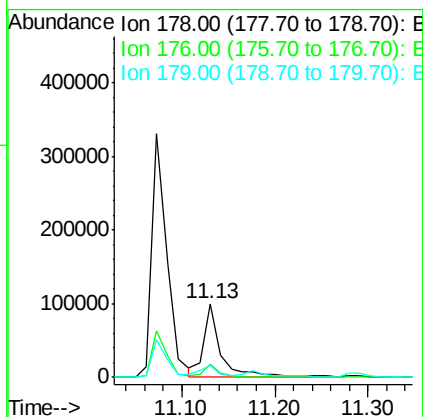
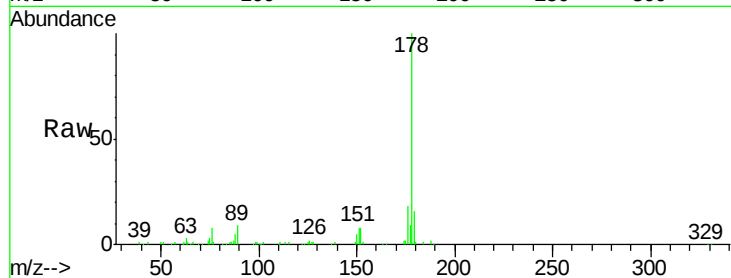
ClientSampleId :

TP-12

Tot Ion:	178	Resp:	126757
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.6	23.4
179	16.3	12.8	19.2

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#72

Carbazole

Concen: 5.04 ng

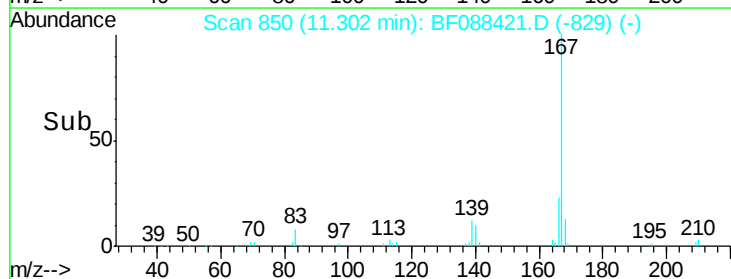
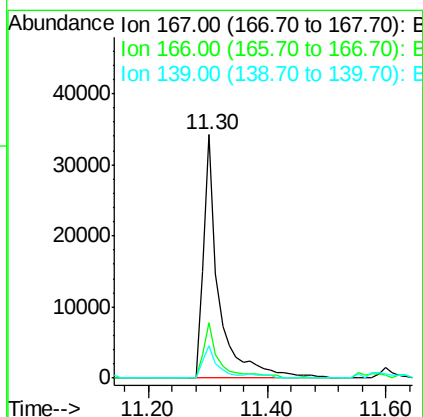
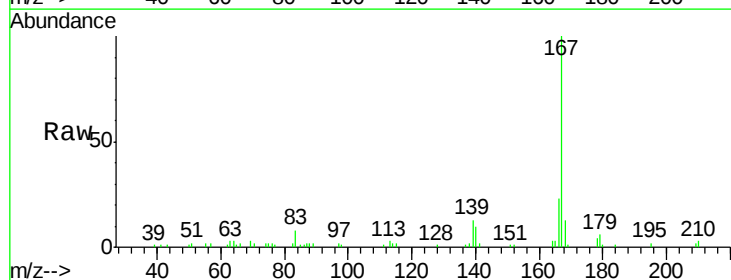
RT: 11.30 min Scan# 850

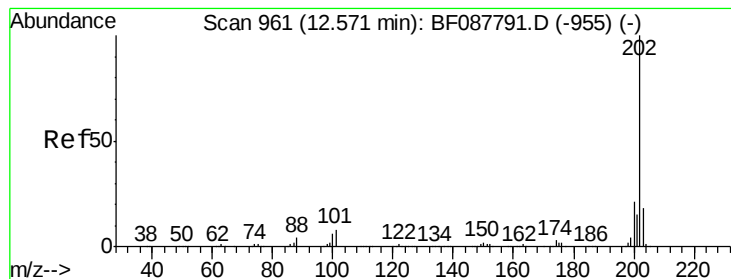
Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:	167	Resp:	62981
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.8	26.6
139	13.3	11.2	16.8





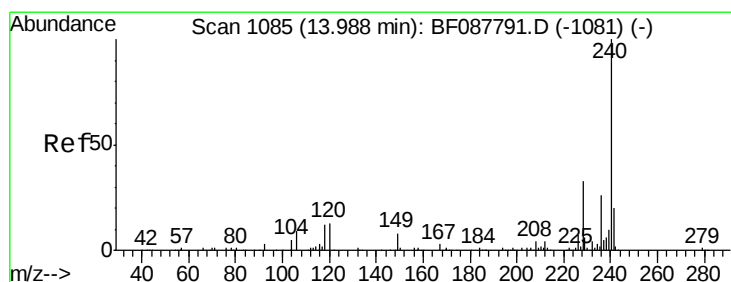
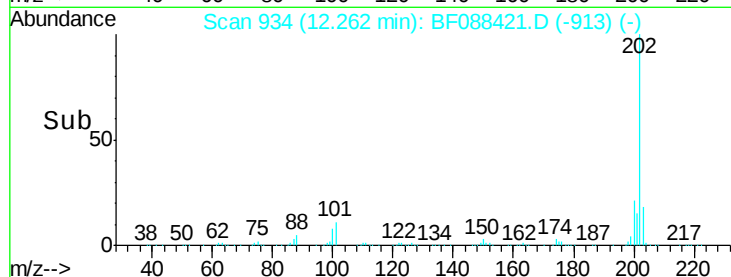
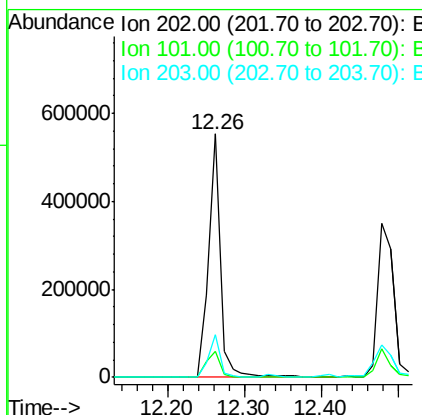
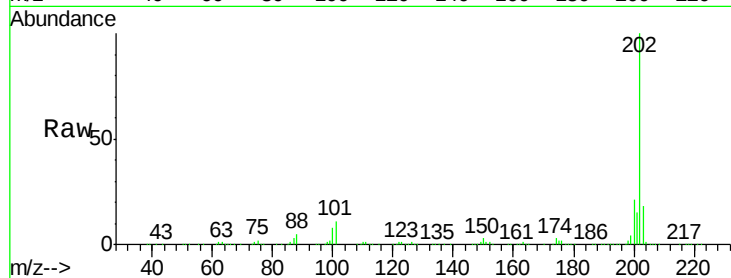
#74
 Fluoranthene
 Concen: 42.14 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.06 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	33.1
203	17.6	0.0	38.1

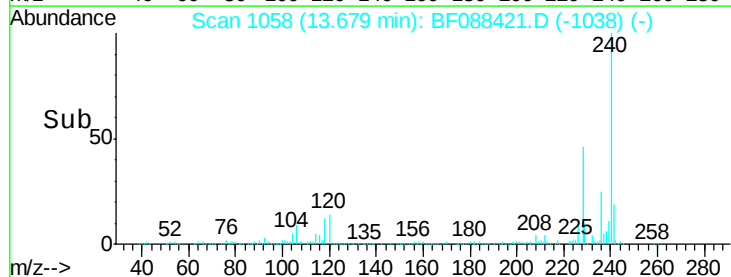
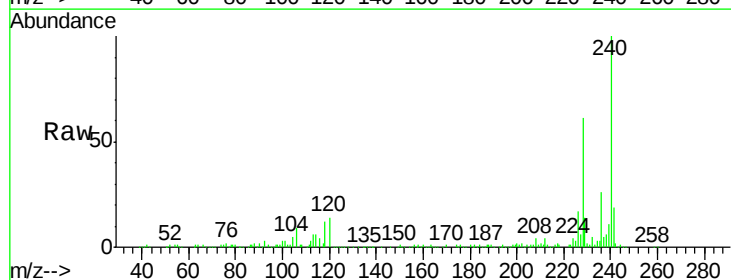
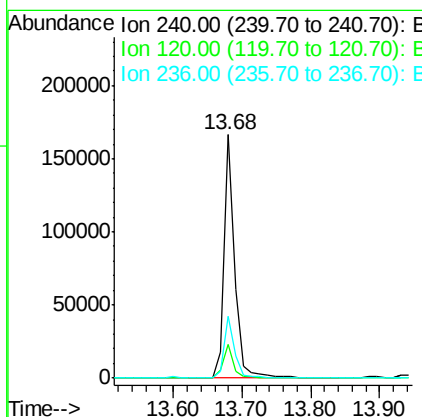
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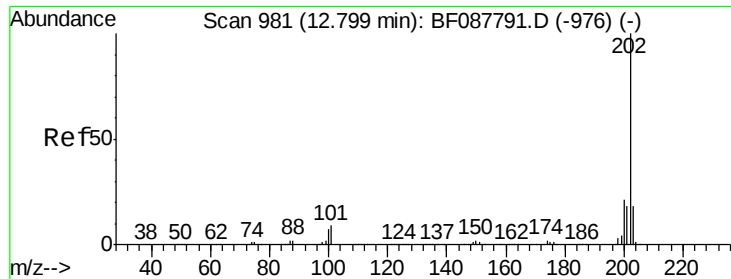
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.07 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.6	6.8	10.2#
236	25.5	20.2	30.2





#77

Pvrene

Concen: 36.81 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

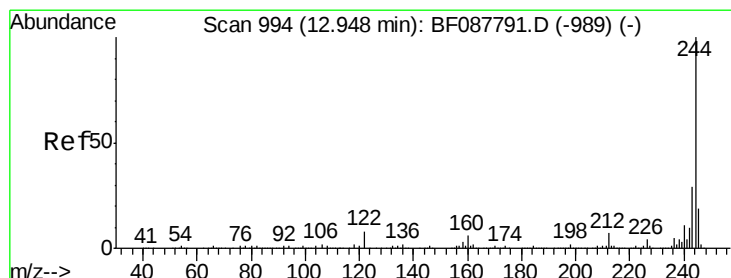
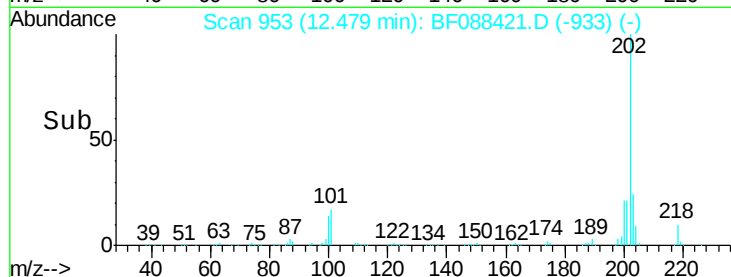
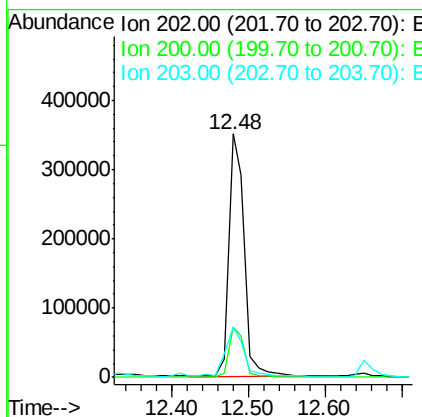
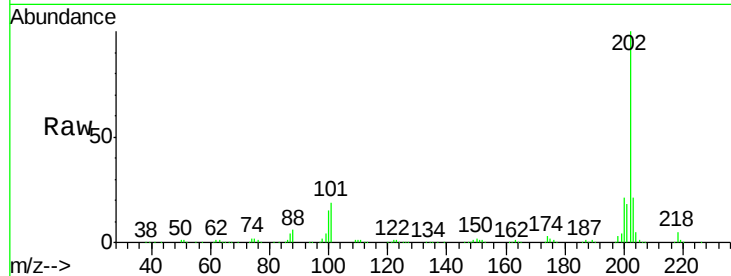
ClientSampleId :

TP-12

Tot Ion:	202	Resp:	501301
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	20.8	14.5	21.7

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#78

Terphenyl-d14

Concen: 87.63 ng

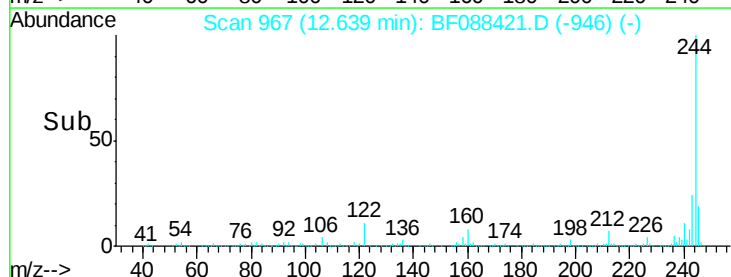
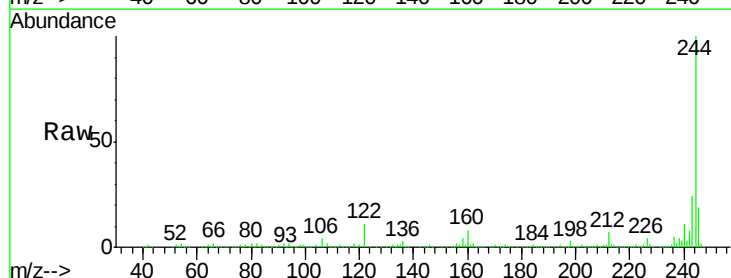
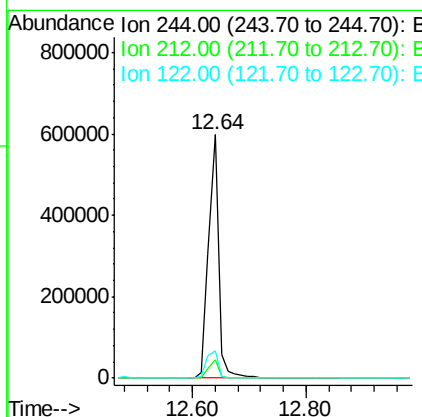
RT: 12.64 min Scan# 967

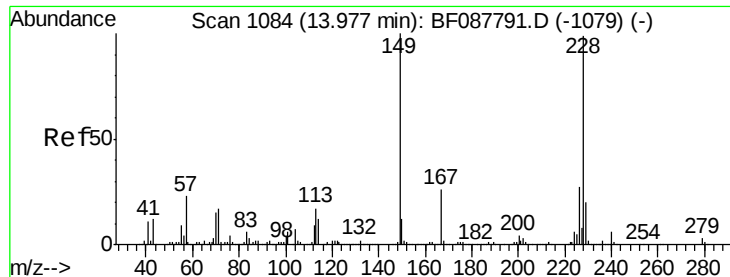
Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:	244	Resp:	706863
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.0	11.2	16.8#





#80

Benzo(a)anthracene

Concen: 28.17 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

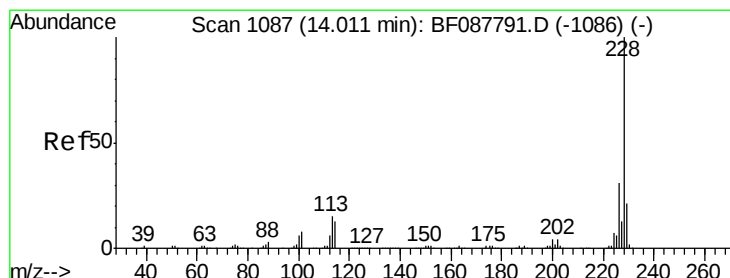
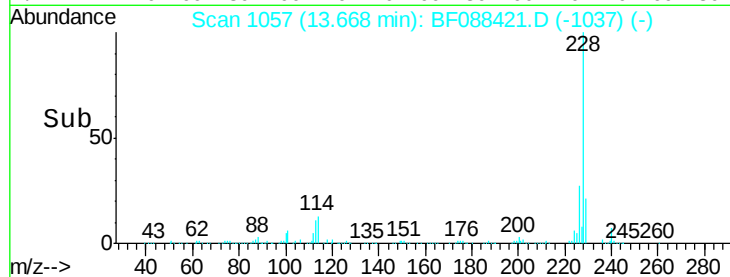
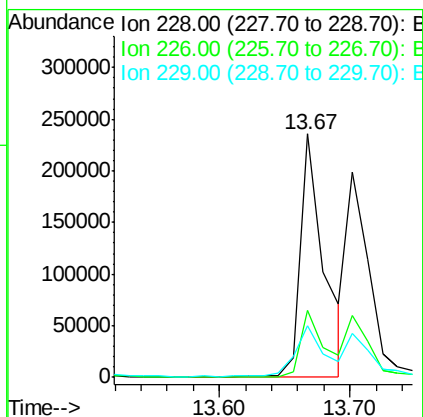
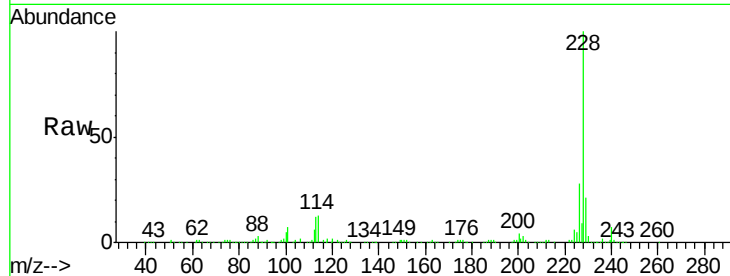
ClientSampleId :

TP-12

Tot Ion:	228	Resp:	294645
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.3	33.5
229	21.4	16.0	24.0

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#82

Chrysene

Concen: 24.77 ng

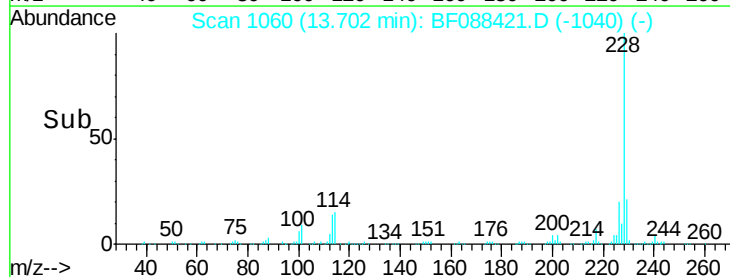
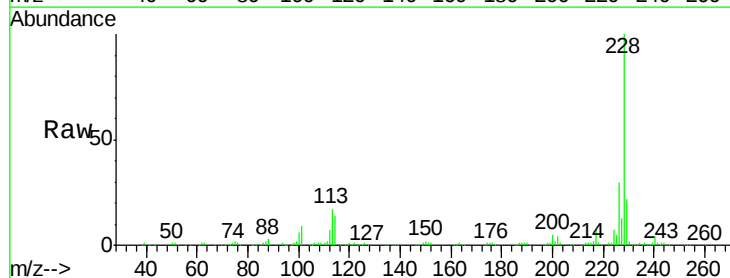
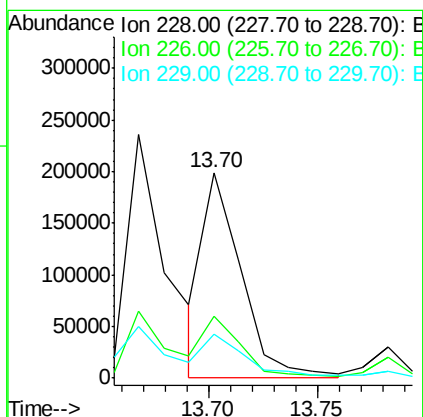
RT: 13.70 min Scan# 1060

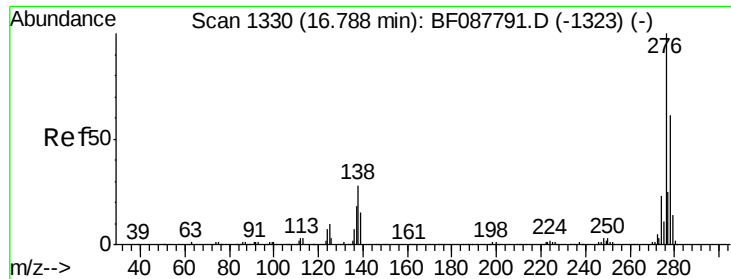
Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:	228	Resp:	243762
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.2
229	21.6	16.3	24.5





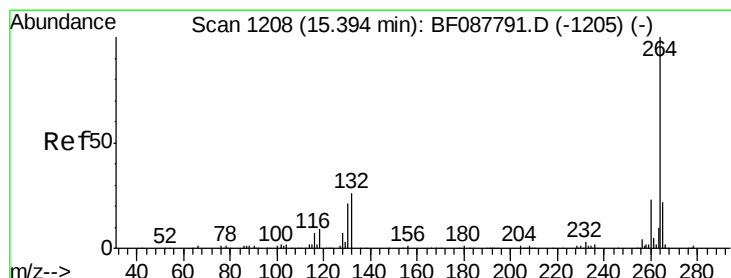
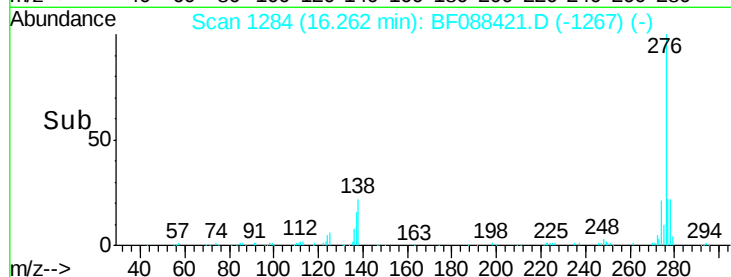
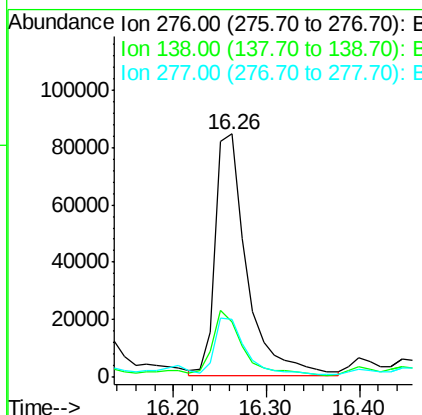
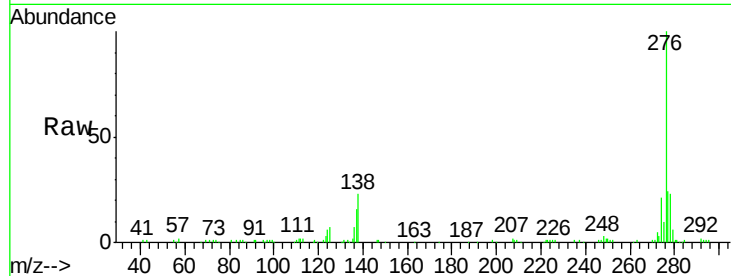
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.56 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.10 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Instrument :
 BNA_F
 ClientSampled :
 TP-12

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	0.0	0.0#
277	22.5	0.0	0.0#

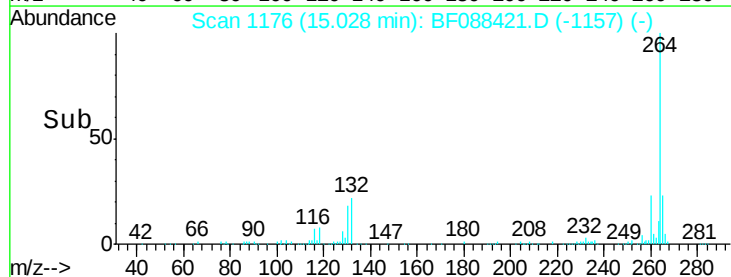
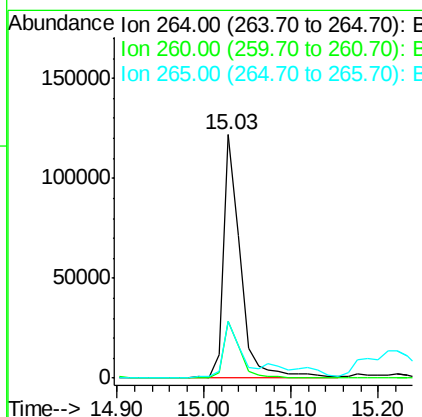
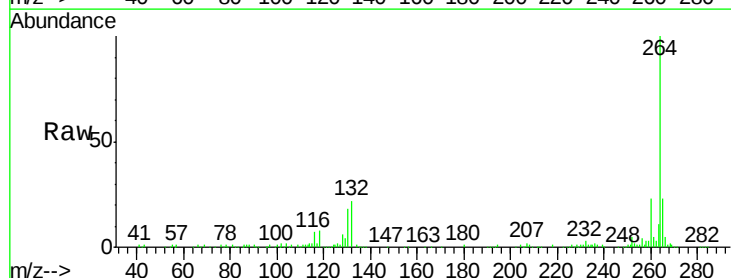
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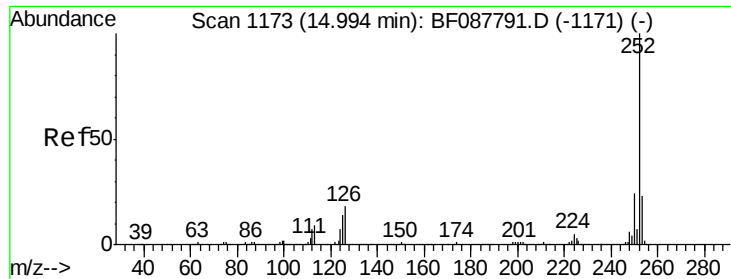
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.2	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 30.07 ng m

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

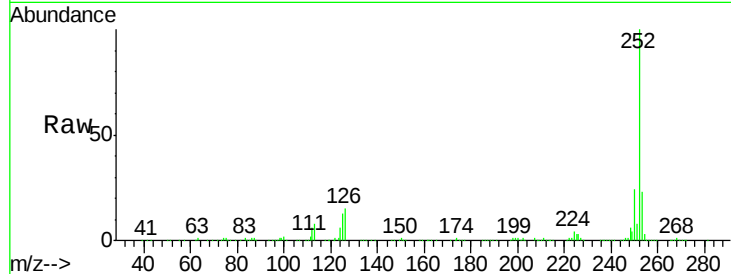
ClientSampleId :

TP-12

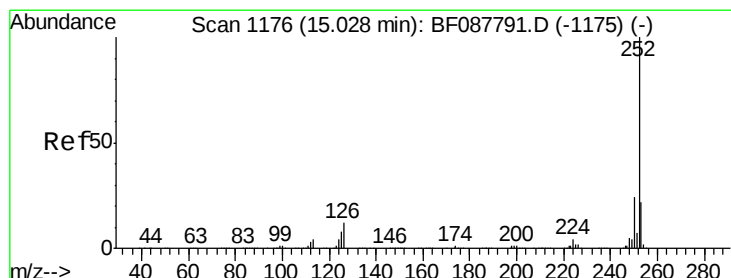
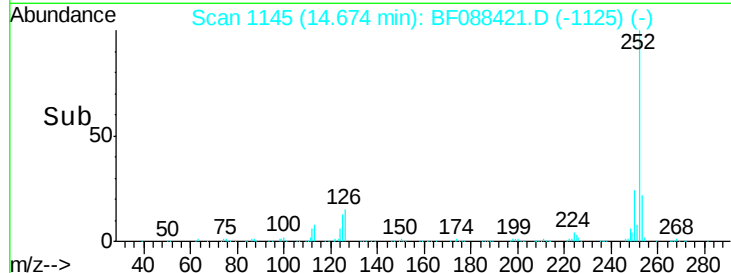
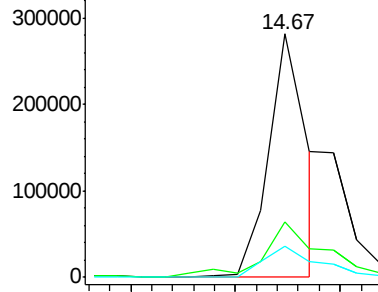
Tot Ion:	252	Resp:	350111
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.2
125	12.8	7.1	10.7#

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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



#88

Benzo(k)fluoranthene

Concen: 16.86 ng m

RT: 14.69 min Scan# 1146

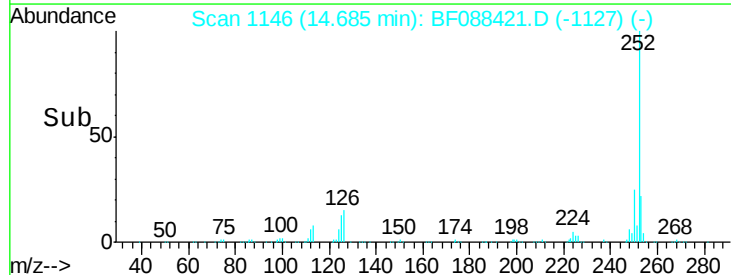
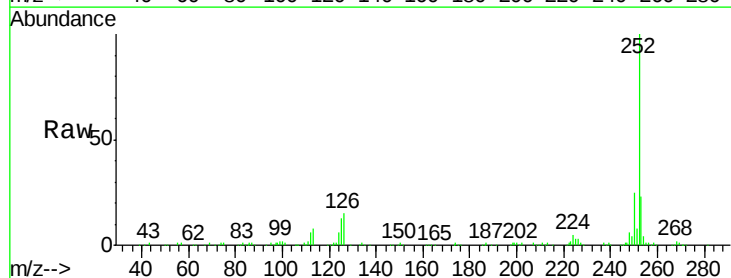
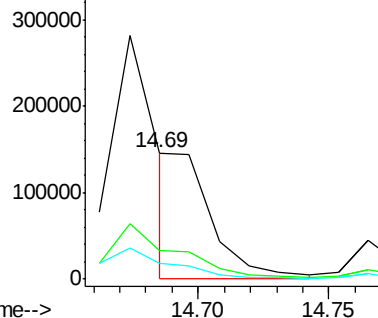
Delta R.T. -0.08 min

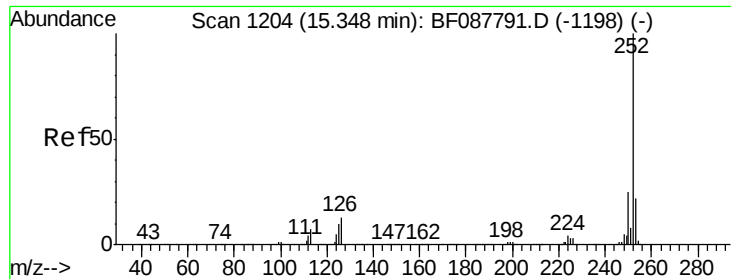
Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:	252	Resp:	148059
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	12.9	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





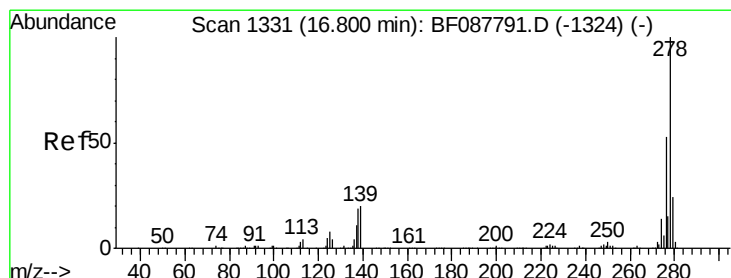
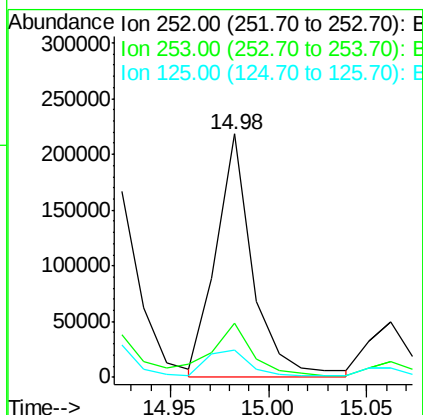
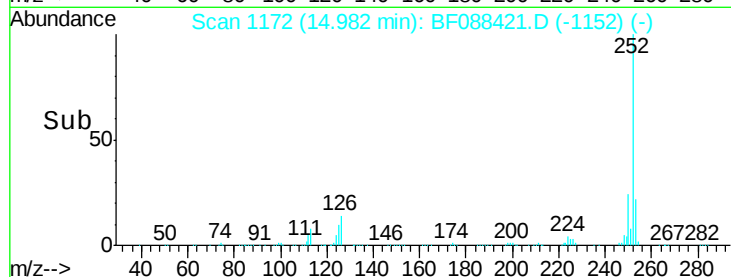
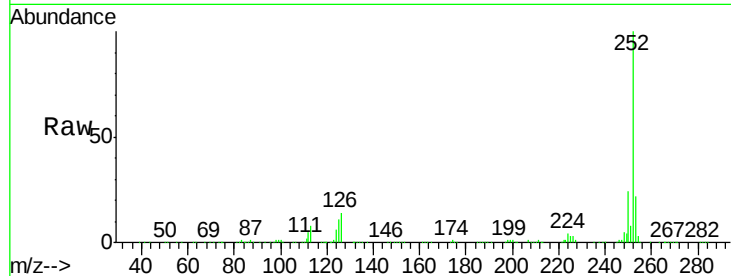
#89
Benzo(a)pyrene
Concen: 30.23 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampled :
TP-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.3	12.5	18.7

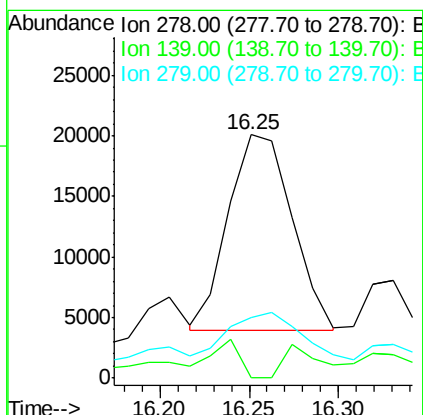
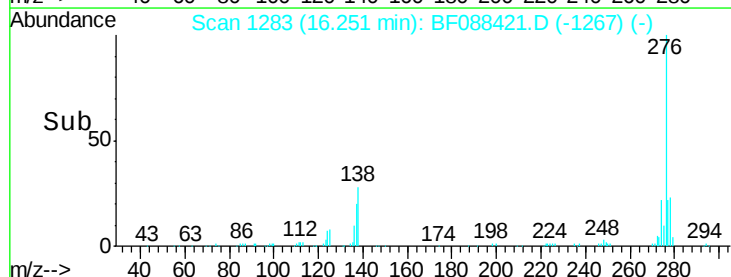
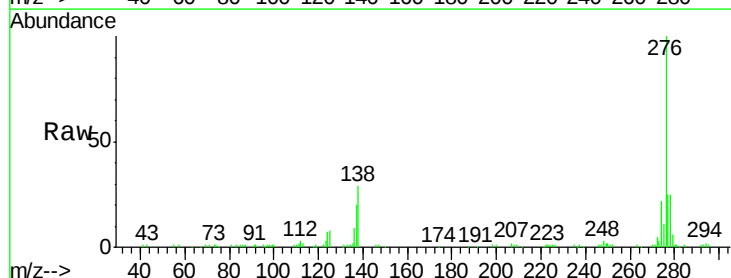
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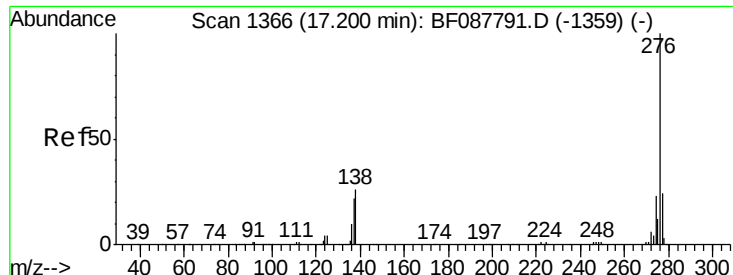
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#90
Dibenzo(a,h)anthracene
Concen: 4.55 ng m
RT: 16.25 min Scan# 1283
Delta R.T. -0.11 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	24.8	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 23.51 ng
 RT: 16.62 min Scan# 1315
 Delta R.T. -0.13 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	27.8	21.4	32.2

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