

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088018.D
 Acq On : 15 Jun 2016 00:52
 Operator : UM/SJ
 Sample : H3471-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Manual Integrations
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Quant Time: Jun 15 05:19:53 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	6.79	152	103768	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	379000	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	164929	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	257220	20.00	ng	0.00
75) Chrysene-d12	13.94	240	242415	20.00	ng	0.00
86) Perylene-d12	15.35	264	198007	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	709791	116.94	ng	0.01
7) Phenol-d6	6.43	99	1041675	141.60	ng	0.01
23) Nitrobenzene-d5	7.35	82	568000	87.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	165500	95.03	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	921631	87.98	ng	0.00
78) Terphenyl-d14	12.89	244	673349	63.21	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	43801	2.34	ng	98
37) 2-Methylnaphthalene	8.79	142	29088	2.35	ng	99
48) Acenaphthylene	9.68	152	63833	3.76	ng	99
49) Dimethylphthalate	9.54	163	237068	19.84	ng	99
70) Phenanthrene	11.33	178	171745	12.72	ng	99
71) Anthracene	11.38	178	76429	5.61	ng	97
74) Fluoranthene	12.51	202	410324	28.81	ng	97
77) Pyrene	12.74	202	417084	23.19	ng	100
80) Benzo(a)anthracene	13.93	228	308487	22.33	ng	# 92
82) Chrysene	13.97	228	203599m	15.67	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	88429	7.32	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	330422m	23.94	ng	
88) Benzo(k)fluoranthene	14.97	252	78848m	7.57	ng	
89) Benzo(a)pyrene	15.29	252	163412	14.64	ng	98
90) Dibenzo(a,h)anthracene	16.71	278	27423	2.64	ng	# 81
91) Benzo(g,h,i)perylene	17.11	276	73566	6.90	ng	97

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

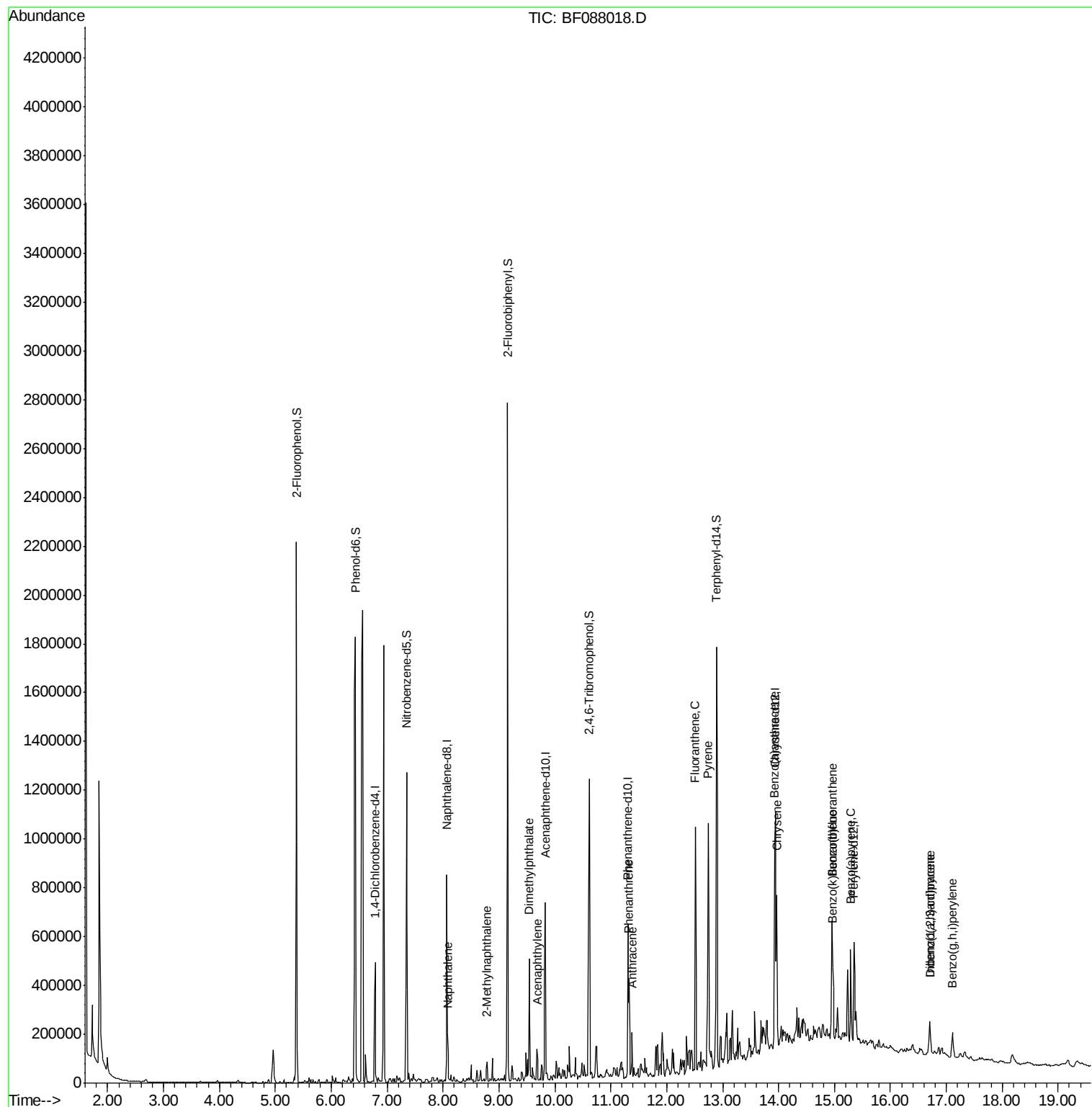
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
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#1

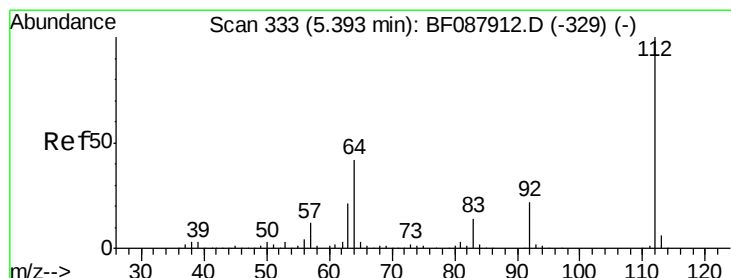
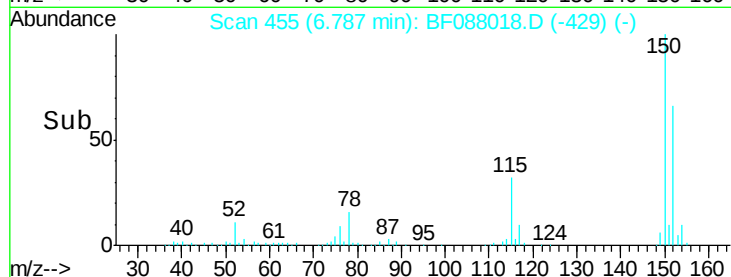
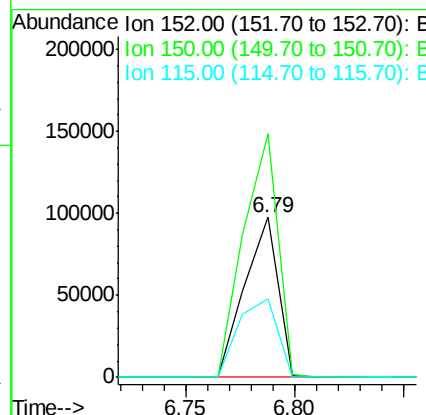
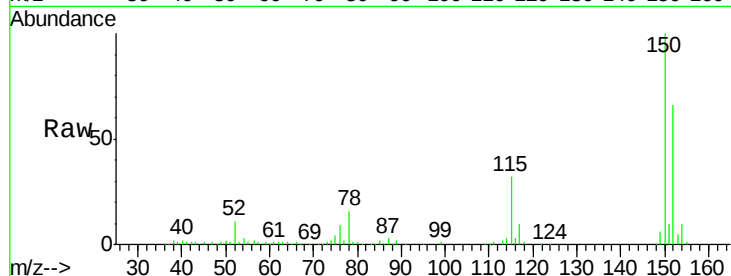
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	152.3	123.8	185.6	
115	48.9	39.6	59.4	

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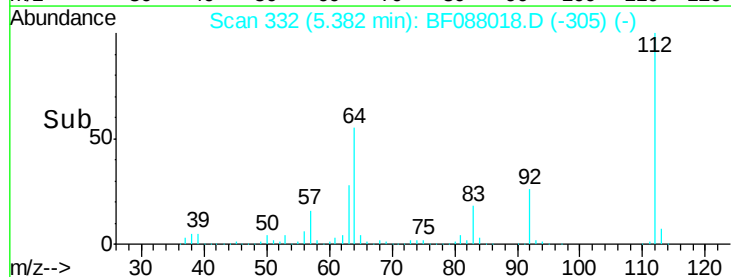
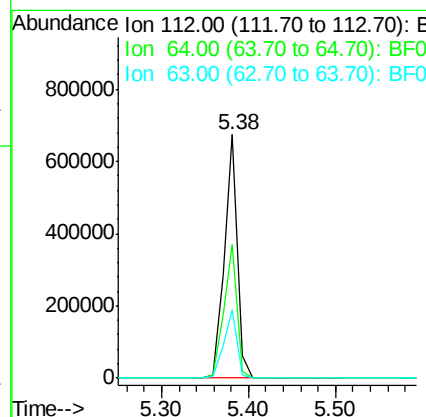
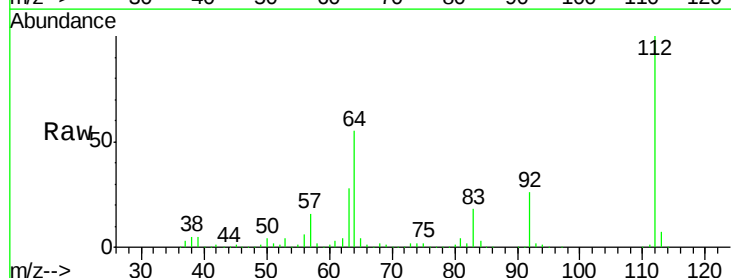
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#5

2-Fluorophenol
Concen: 116.94 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	55.0	42.2	63.2	
63	28.3	21.8	32.8	





#7

Phenol-d6

Concen: 141.60 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

Tot Ion: 99 Resp: 1041675

Ion Ratio Lower Upper

99 100

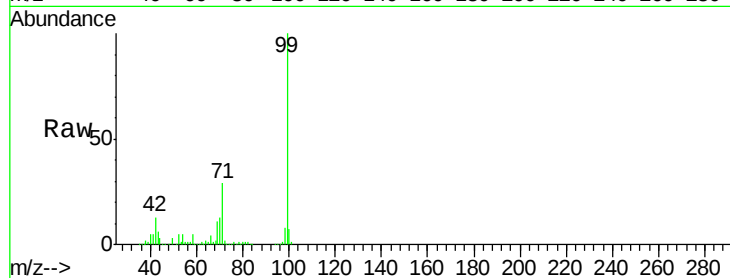
42 12.6 12.2 18.2

71 29.3 23.4 35.0

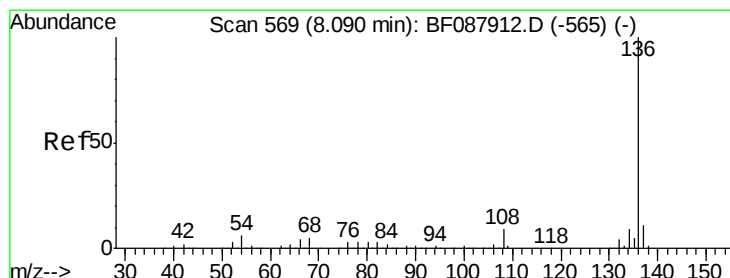
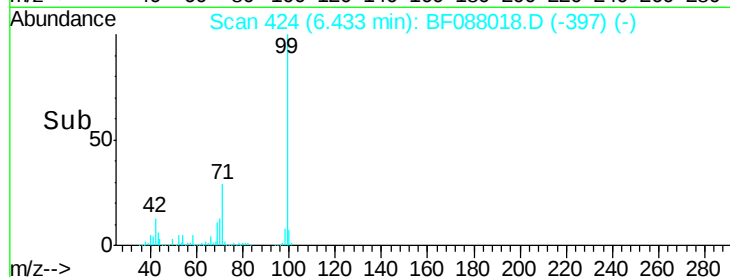
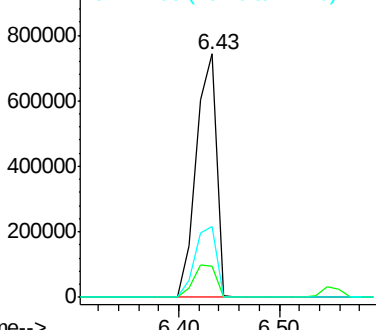
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Tgt Ion: 136 Resp: 379000

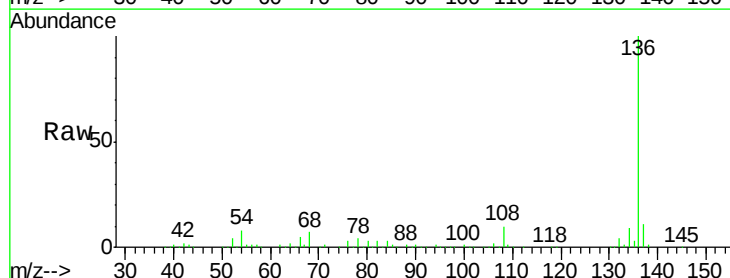
Ion Ratio Lower Upper

136 100

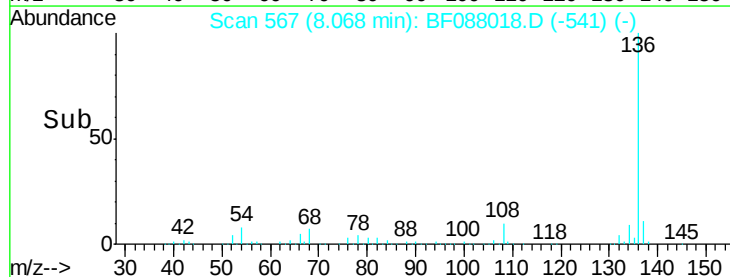
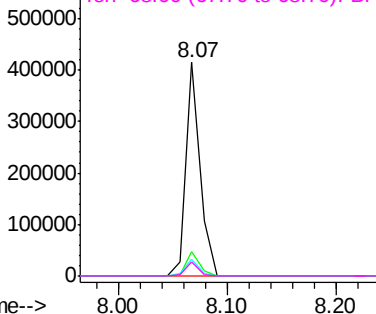
137 11.3 9.1 13.7

54 8.1 6.6 10.0

68 6.8 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





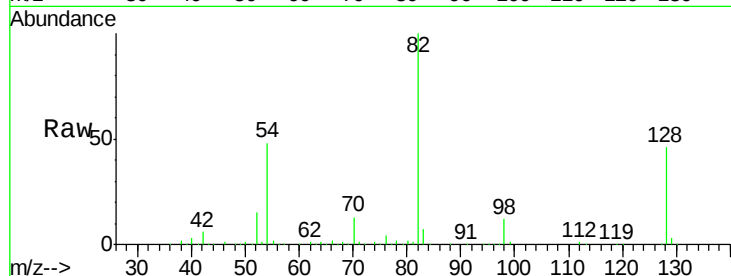
#23
Nitrobenzene-d5
Concen: 87.51 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

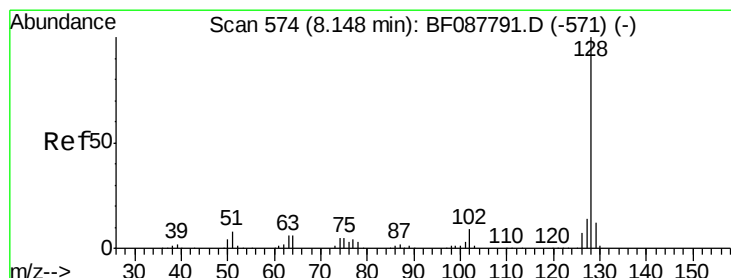
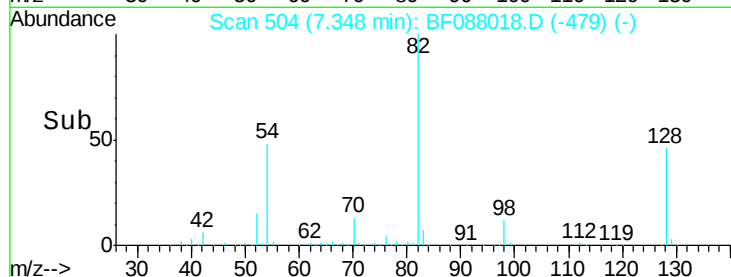
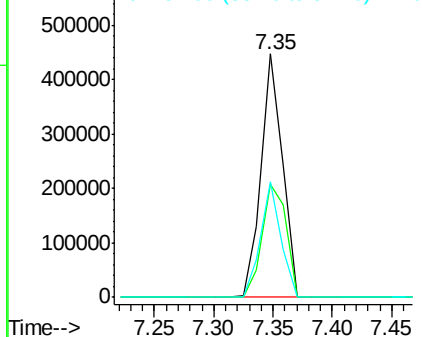
Tot Ion	Ratio	Resp	Lower	Upper
82	100	568000		
128	46.4	35.9	53.9	
54	47.7	40.9	61.3	

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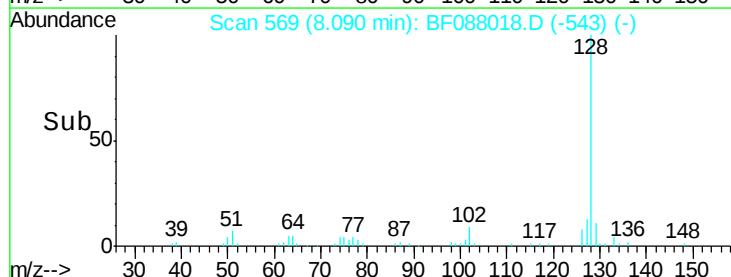
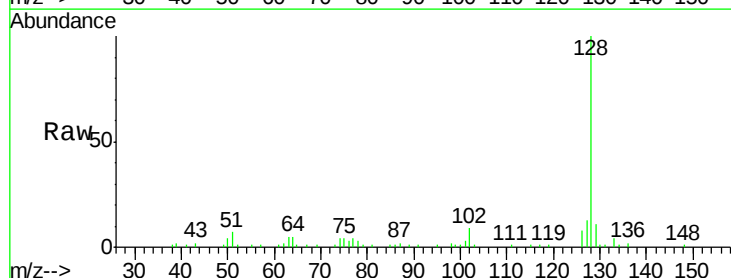
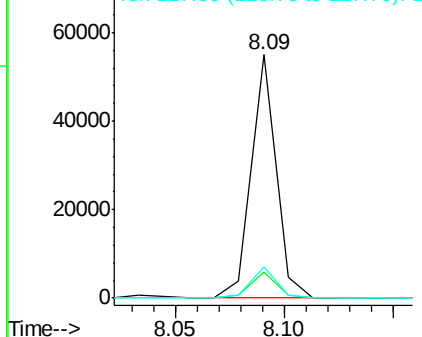
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

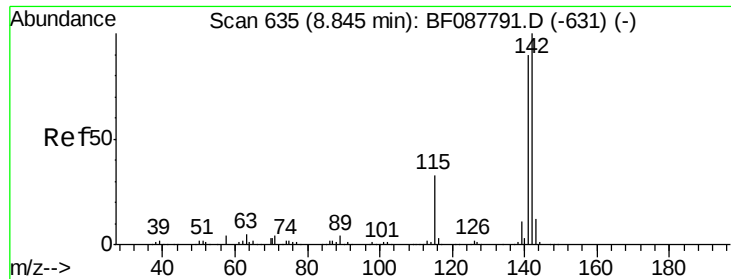


#31
Naphthalene
Concen: 2.34 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	43801		
129	10.8	9.4	14.2	
127	12.9	10.9	16.3	

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





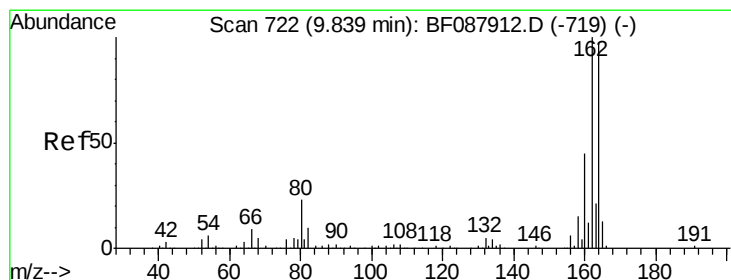
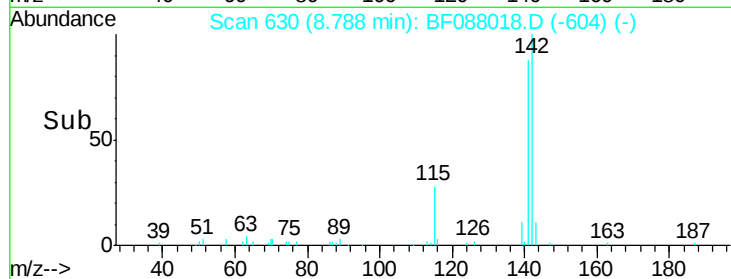
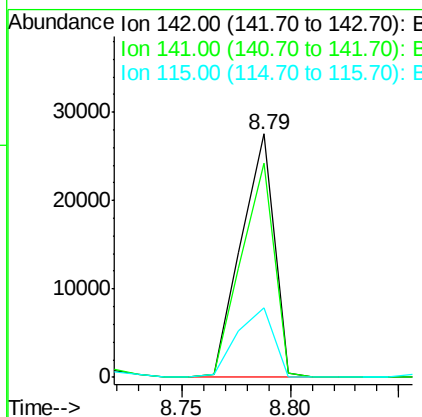
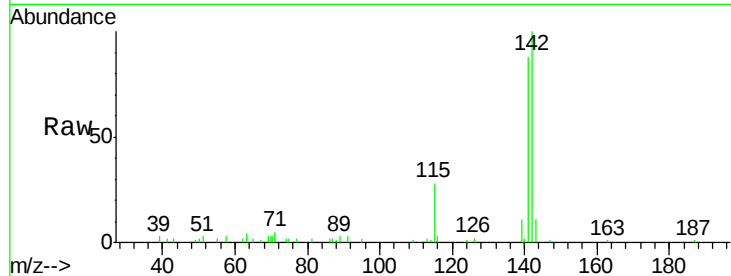
#37
2-Methylnaphthalene
Concen: 2.35 ng
RT: 8.79 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.6
115	28.5	22.6	33.8

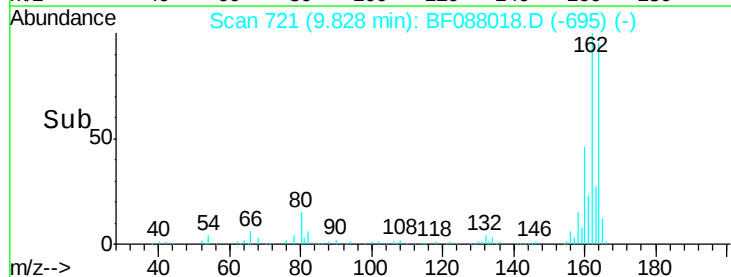
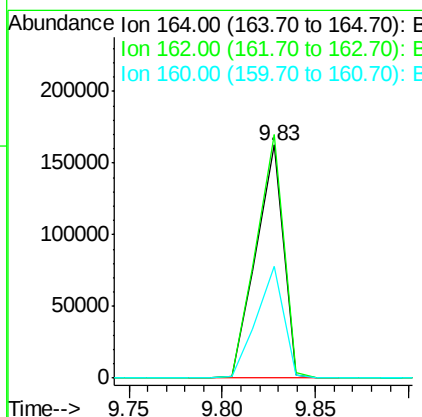
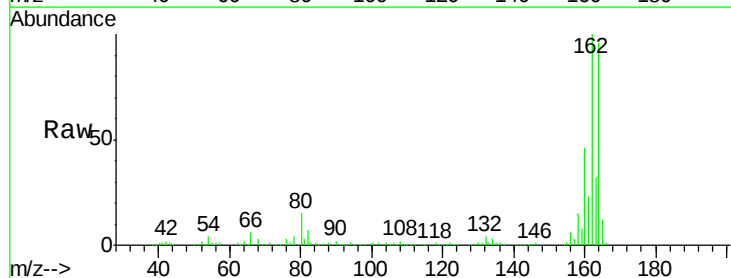
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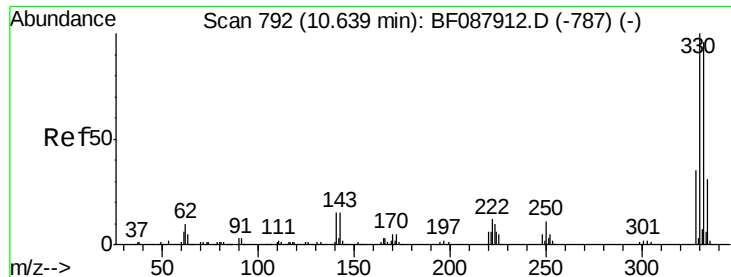
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	85.4	128.2
160	47.8	39.5	59.3





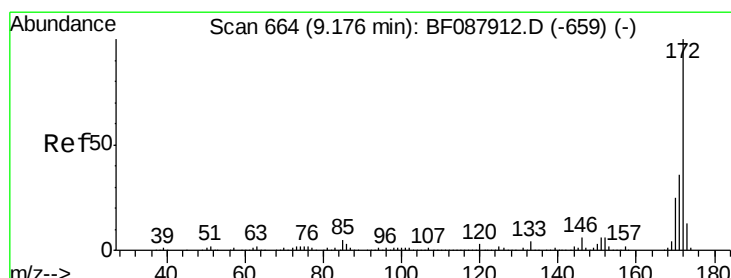
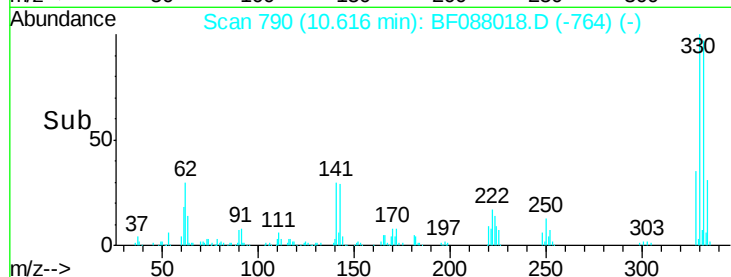
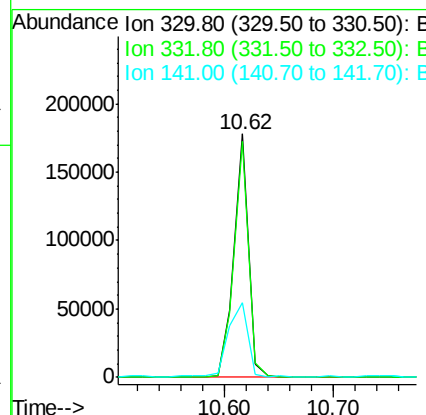
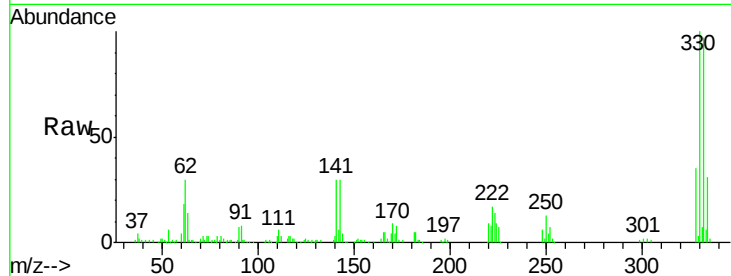
#41
 2,4,6-Tribromophenol
 Concen: 95.03 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.2	0.0	0.0#
141	41.8	0.0	0.0#

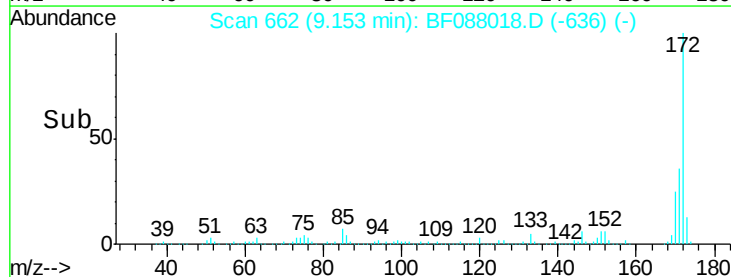
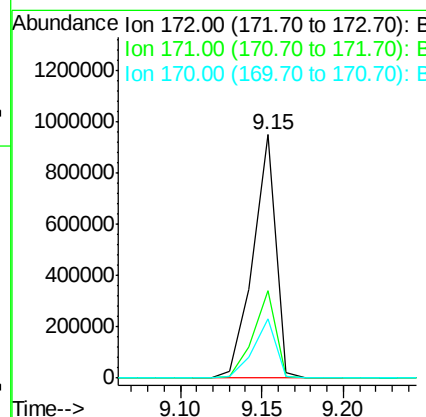
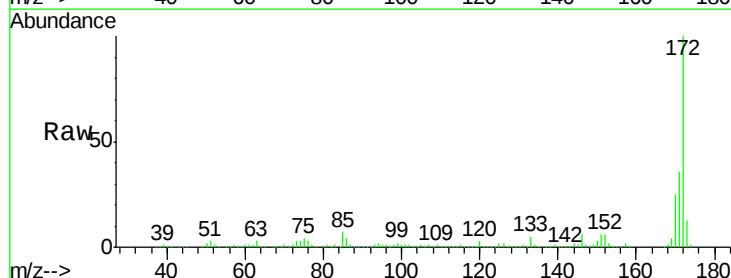
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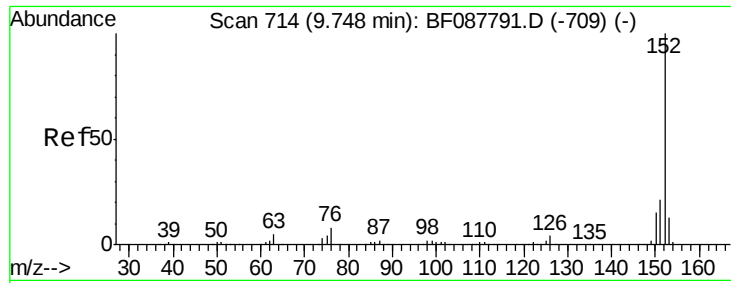
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#44
 2-Fluorobiphenyl
 Concen: 87.98 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.1	28.6	43.0
170	24.6	19.2	28.8





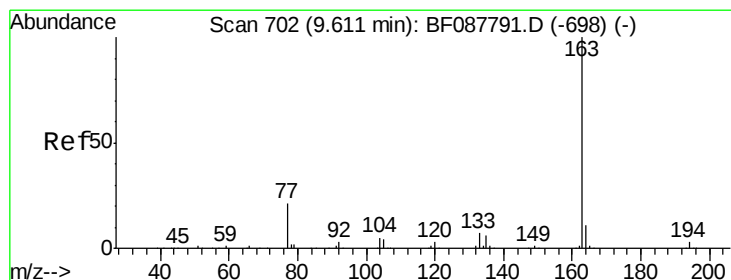
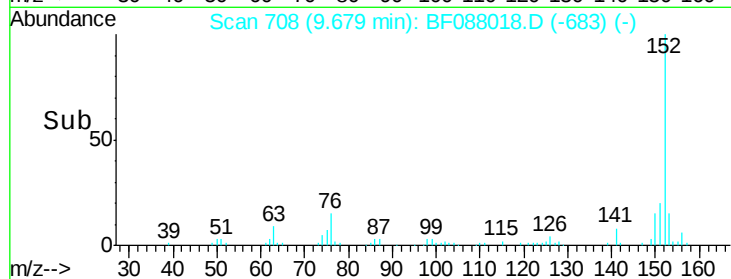
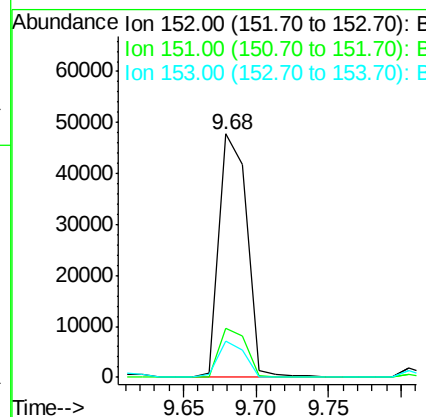
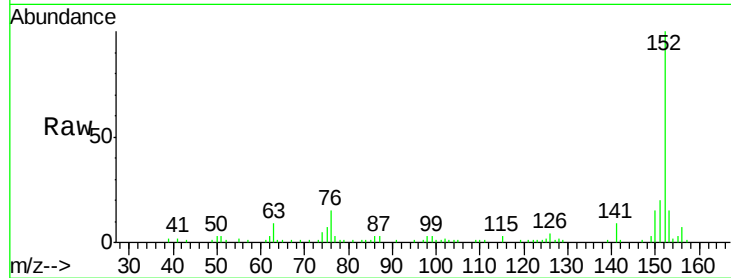
#48
Acenaphthylene
Concen: 3.76 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	15.0	11.0	16.6

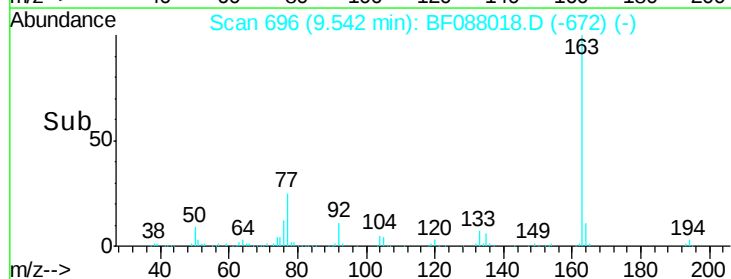
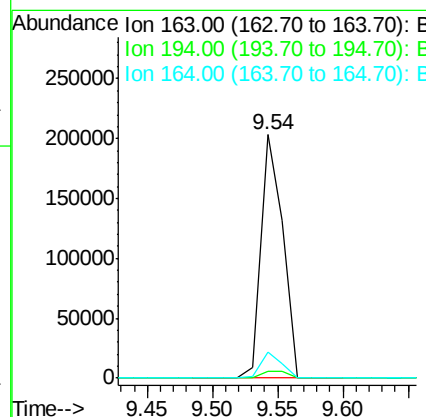
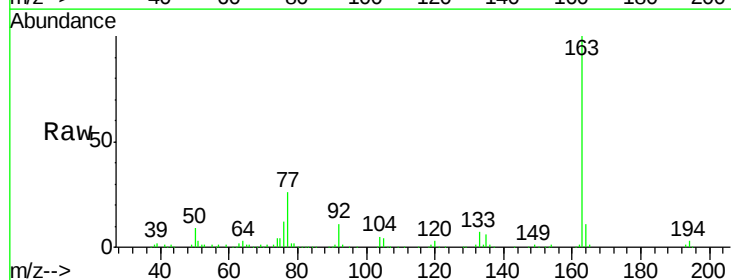
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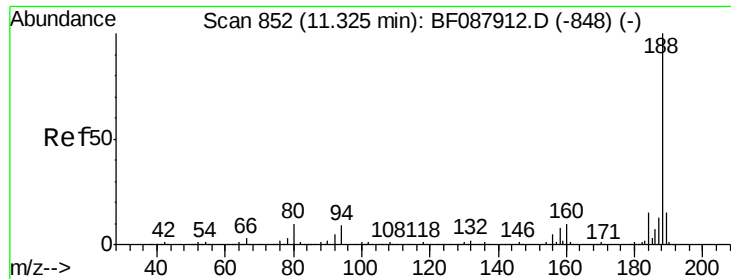
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#49
Dimethylphthalate
Concen: 19.84 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.7	8.3	12.5





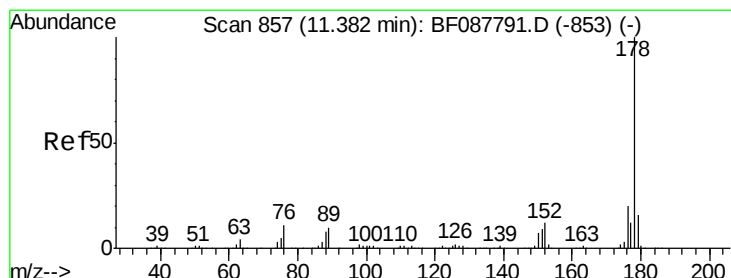
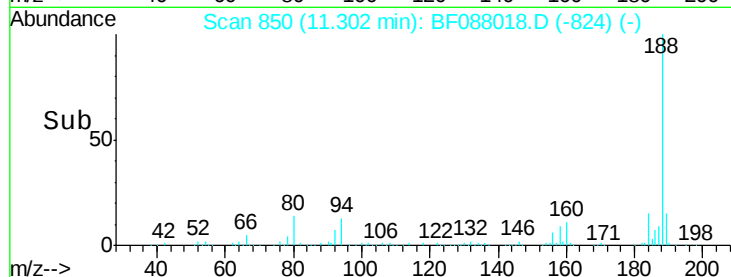
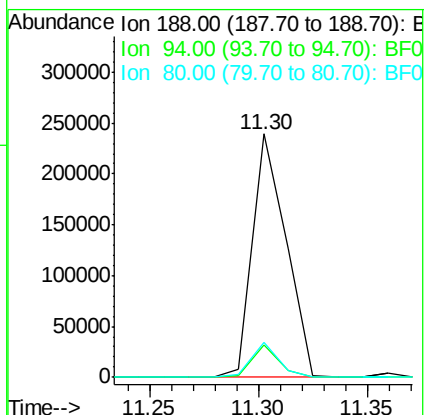
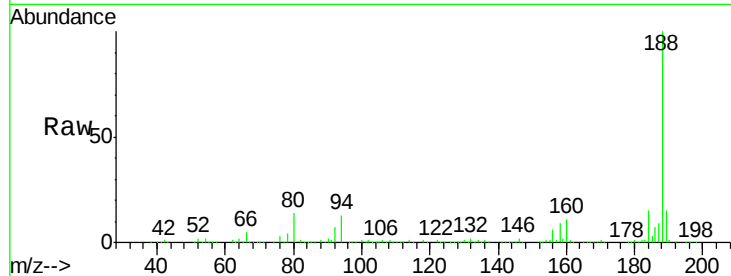
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	257220		
94	13.4		9.0	13.6
80	14.3		10.0	15.0

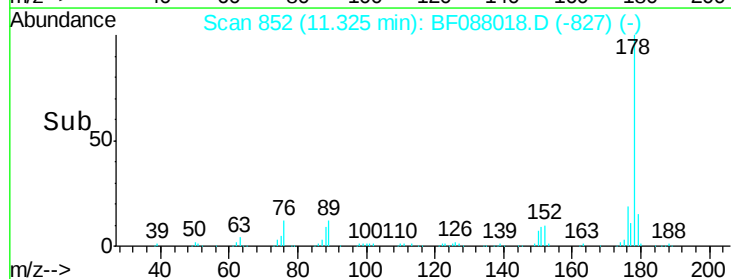
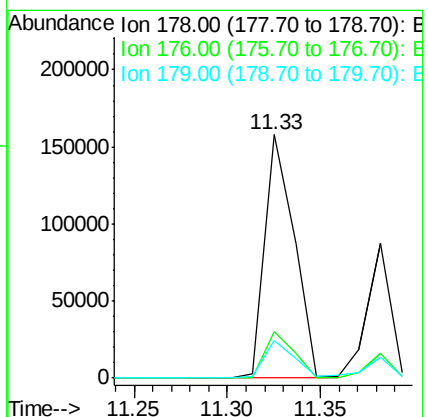
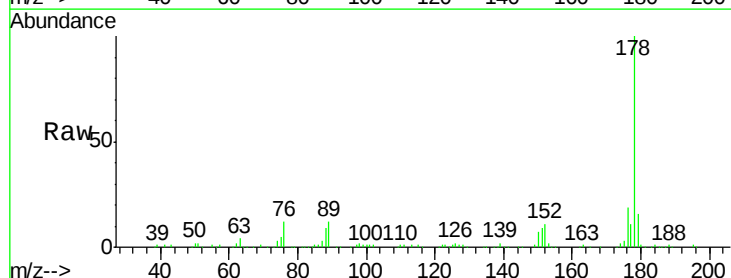
Manual Integrations
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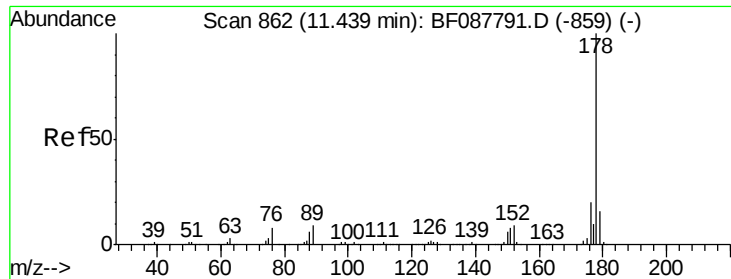
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#70
Phenanthrene
Concen: 12.72 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	171745		
176	19.2		15.8	23.6
179	15.7		13.0	19.4





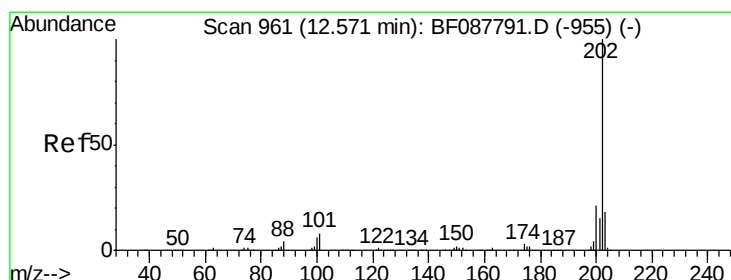
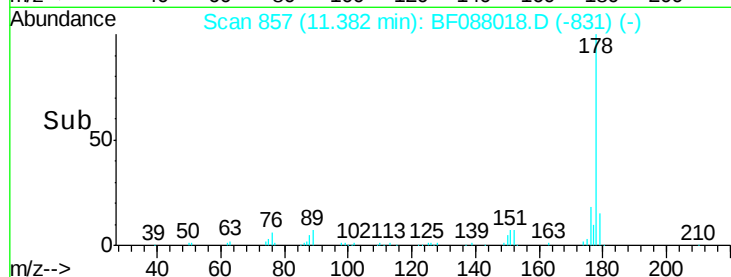
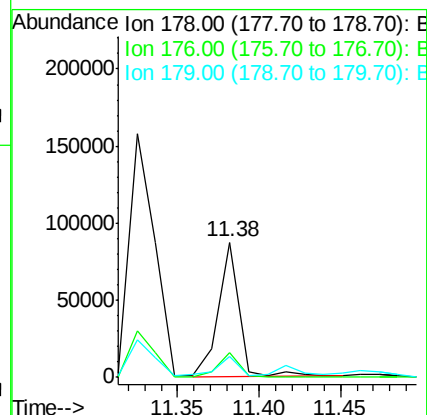
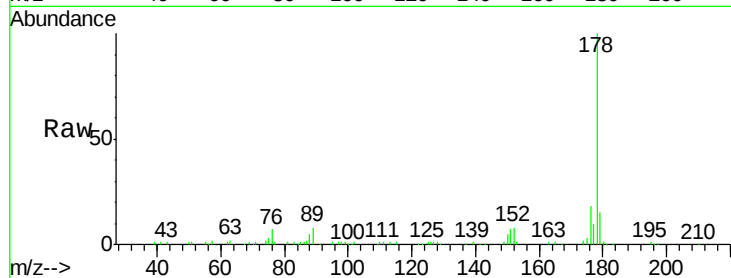
#71
 Anthracene
 Concen: 5.61 ng
 RT: 11.38 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.2	12.8	19.2

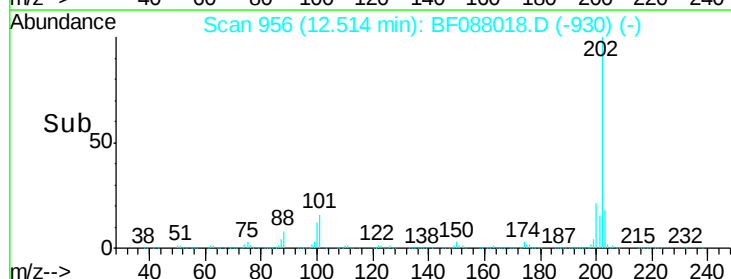
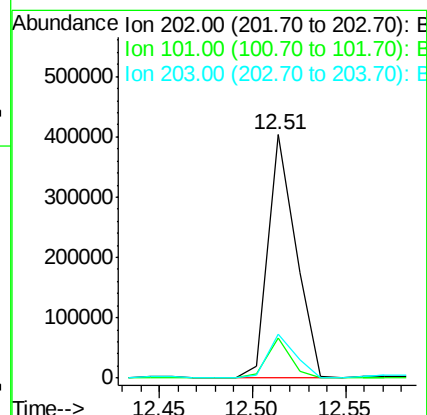
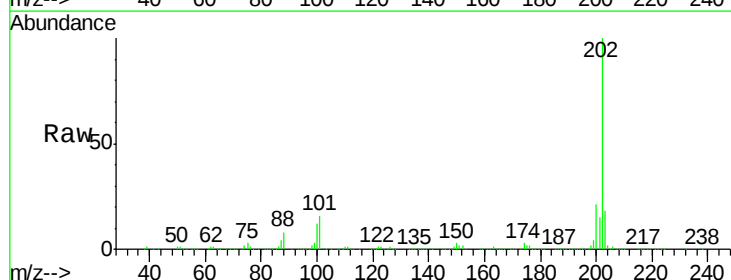
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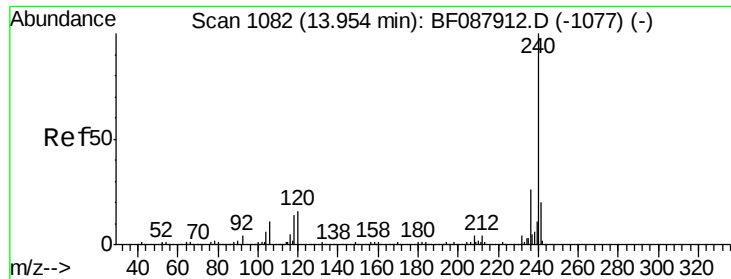
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#74
 Fluoranthene
 Concen: 28.81 ng
 RT: 12.51 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	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: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

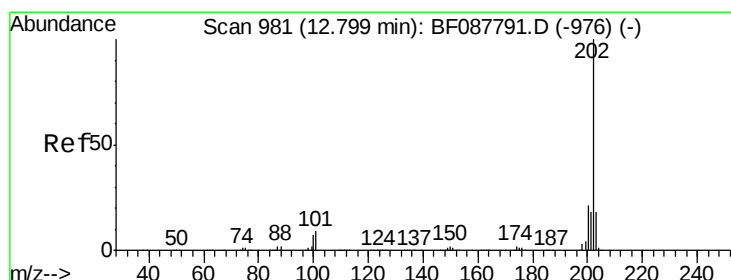
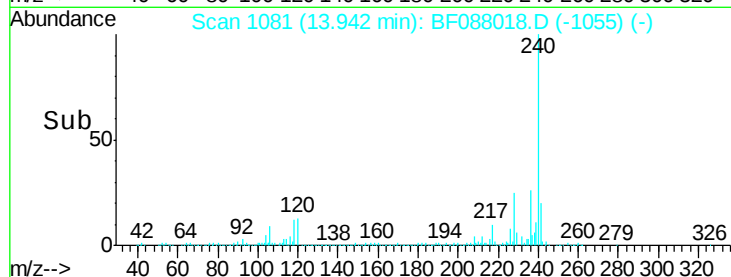
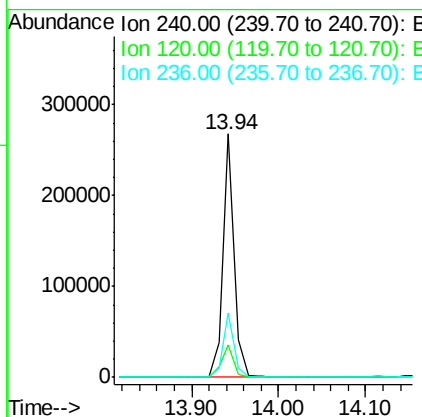
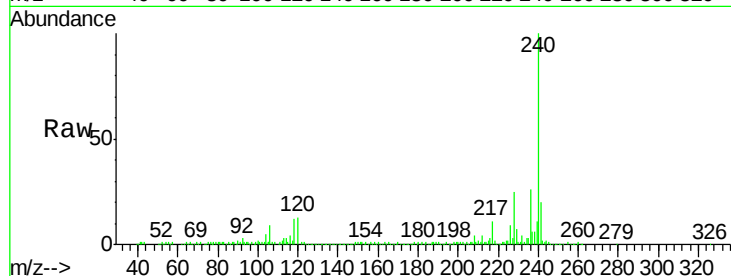
ClientSampleId :

STA-1000-(0-4)

Tot Ion:	240	Resp:	242415
Ion Ratio	Lower	Upper	
240	100		
120	13.4	6.8	10.2#
236	26.2	20.2	30.2

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#77

Pyrene

Concen: 23.19 ng

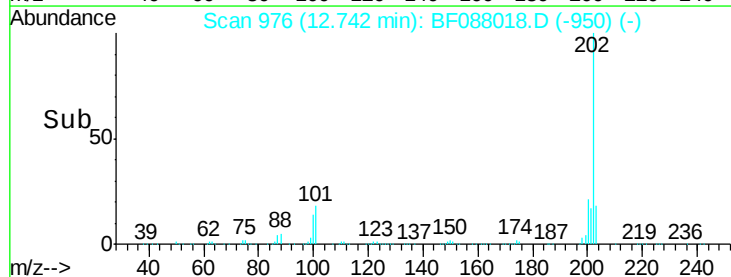
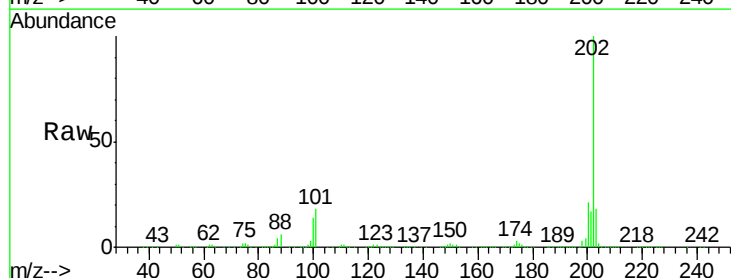
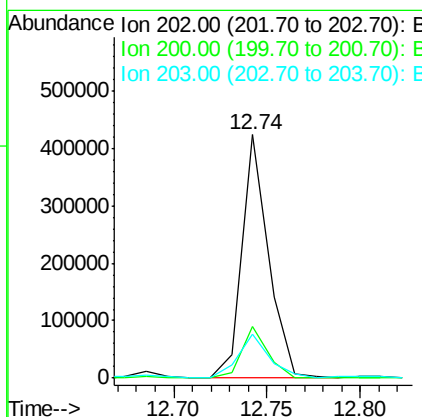
RT: 12.74 min Scan# 976

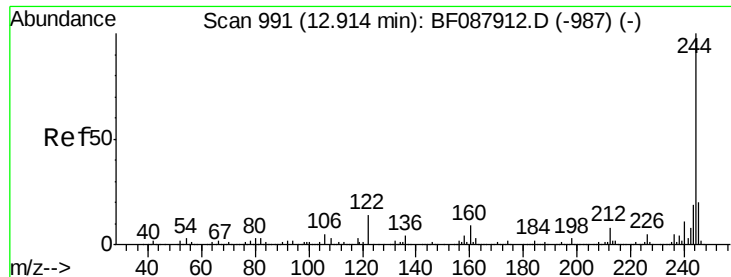
Delta R.T. 0.00 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Tgt Ion:	202	Resp:	417084
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.1	14.5	21.7





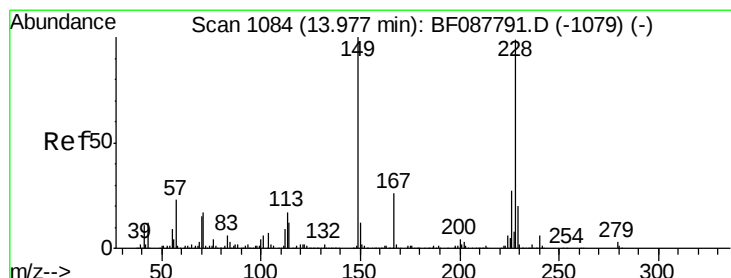
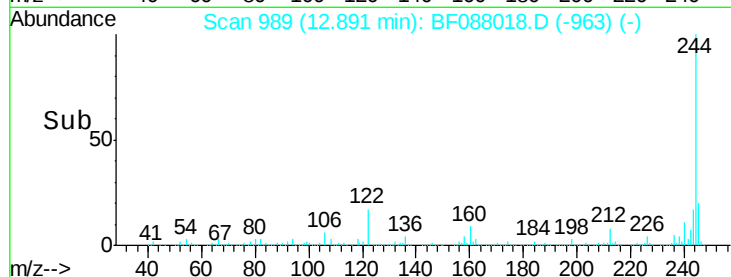
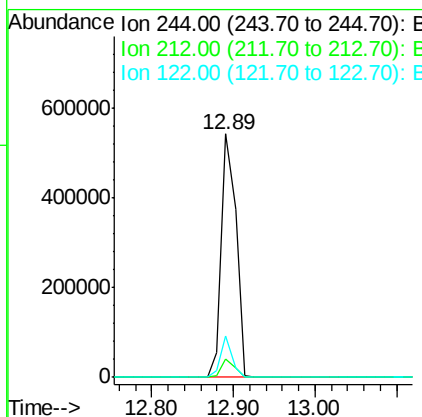
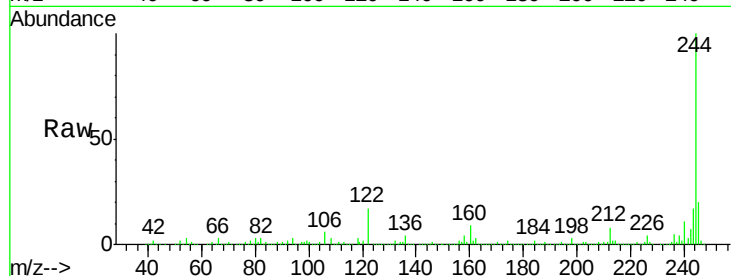
#78
 Terphenyl-d14
 Concen: 63.21 ng
 RT: 12.89 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	16.8	11.2	16.8

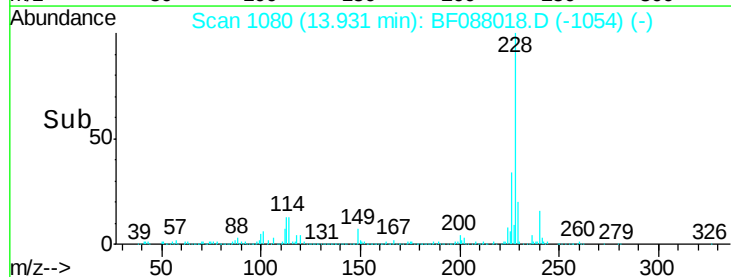
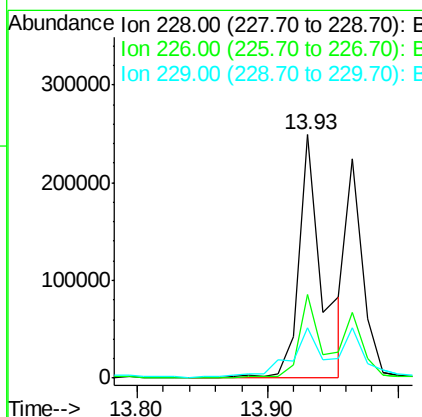
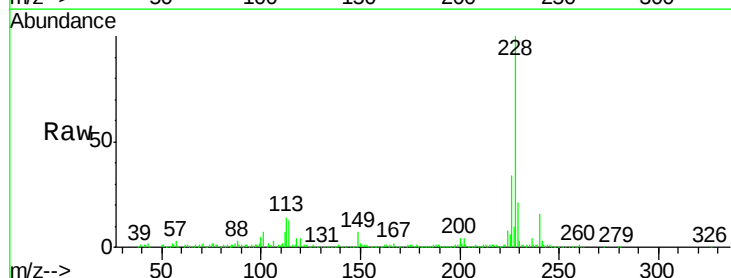
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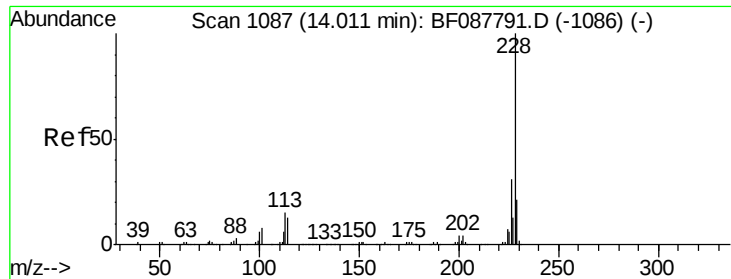
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#80
 Benzo(a)anthracene
 Concen: 22.33 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.3	33.5#
229	20.9	16.0	24.0





#82

Chrysene

Concen: 15.67 ng/mL

RT: 13.97 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

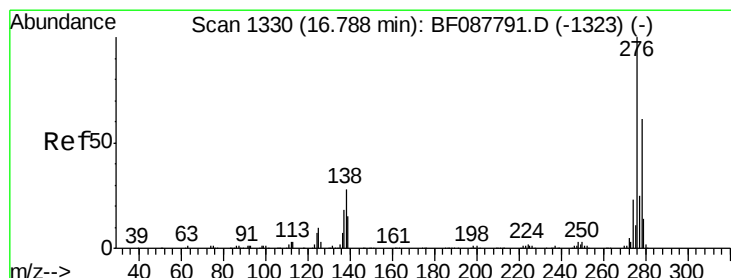
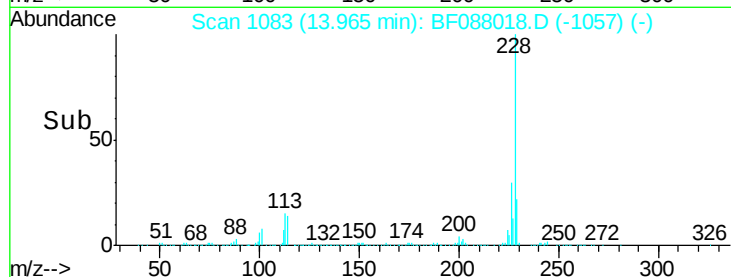
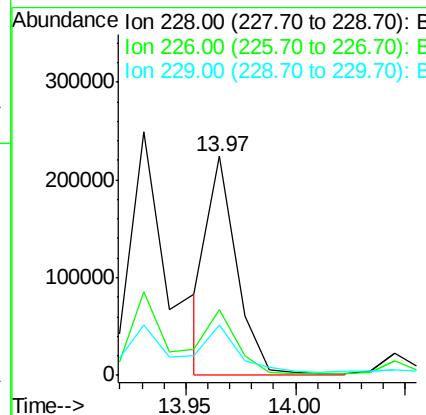
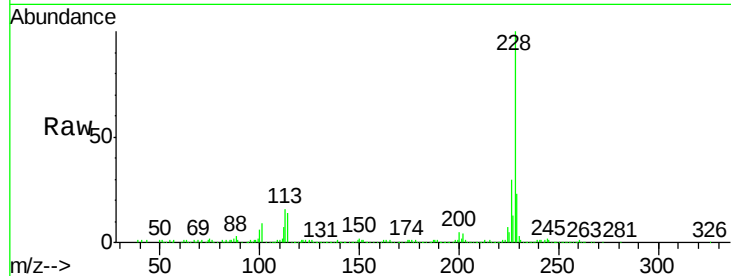
ClientSampleId :

STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	23.2	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.32 ng/mL

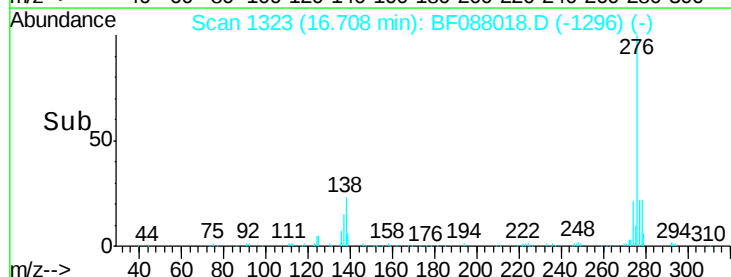
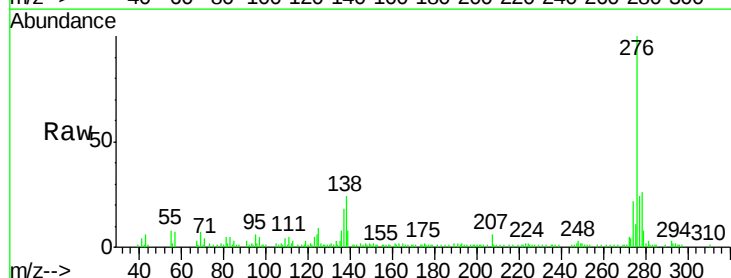
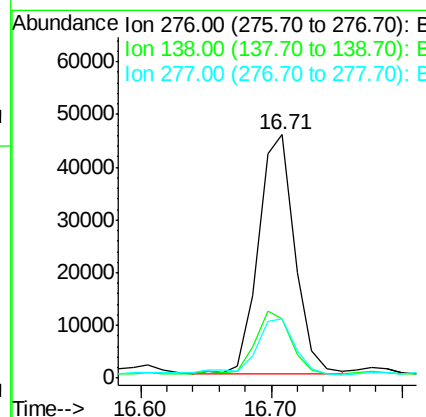
RT: 16.71 min Scan# 1323

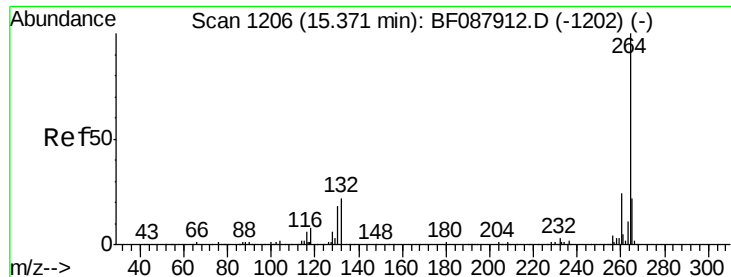
Delta R.T. 0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	0.0	0.0#
277	25.4	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: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

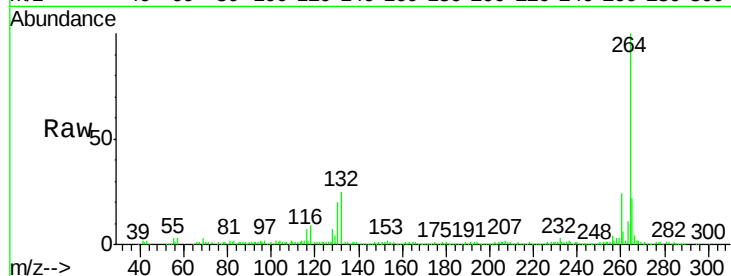
ClientSampleId :

STA-1000-(0-4)

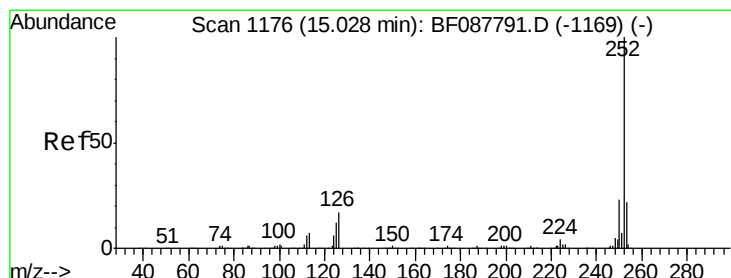
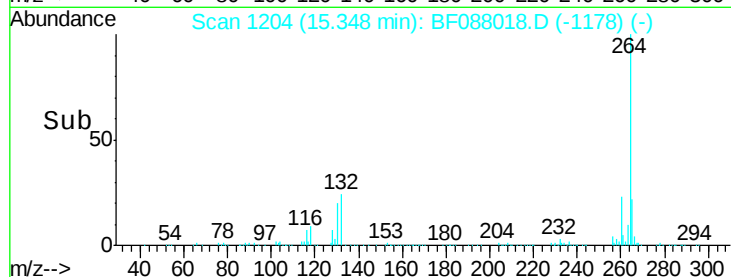
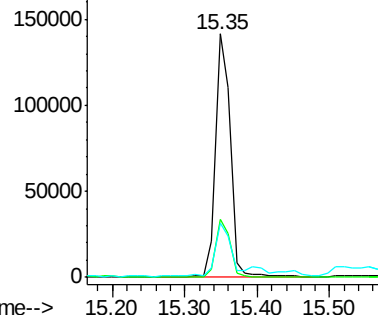
Tot Ion:	264	Resp:	198007
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.5	16.9	25.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 23.94 ng m

RT: 14.96 min Scan# 1170

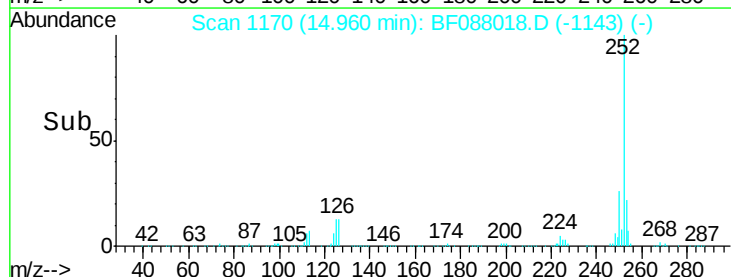
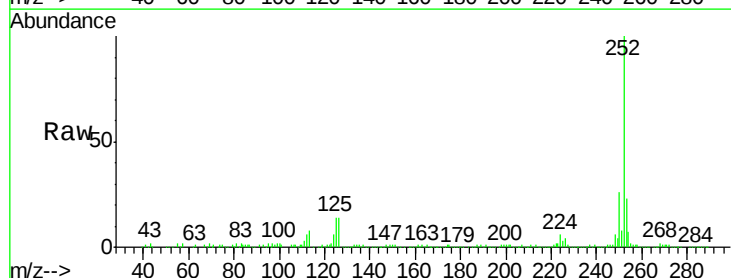
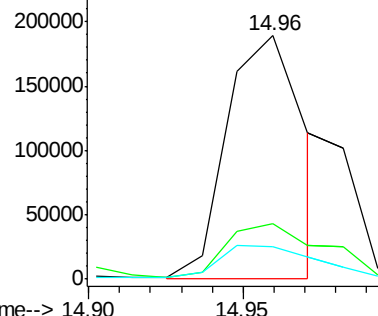
Delta R.T. 0.01 min

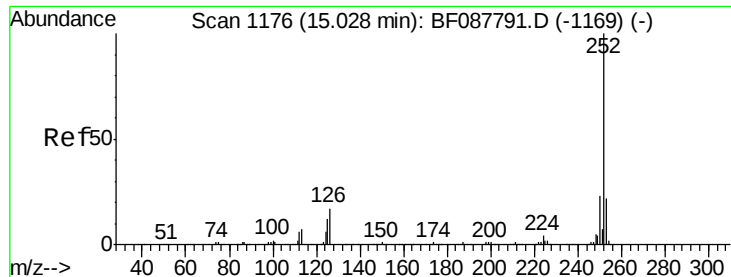
Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Tgt Ion:	252	Resp:	330422
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.5	7.1	10.7#

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





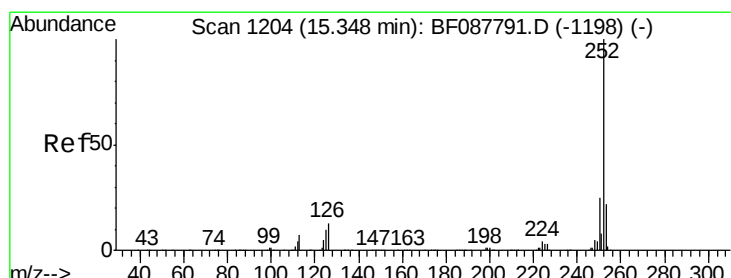
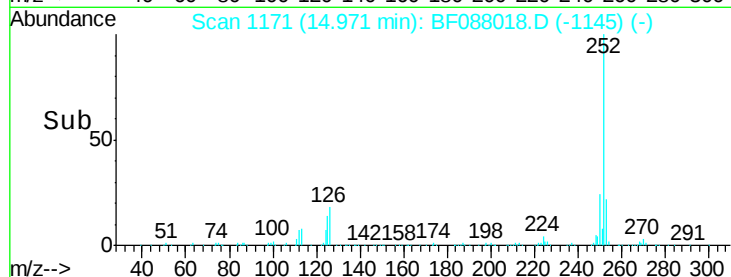
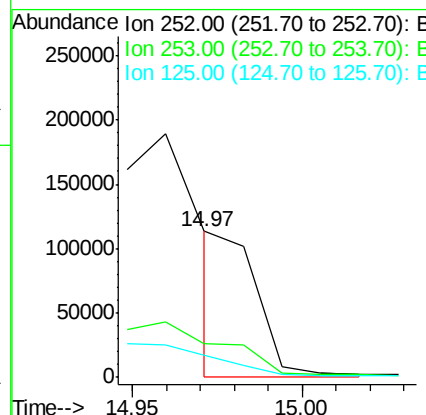
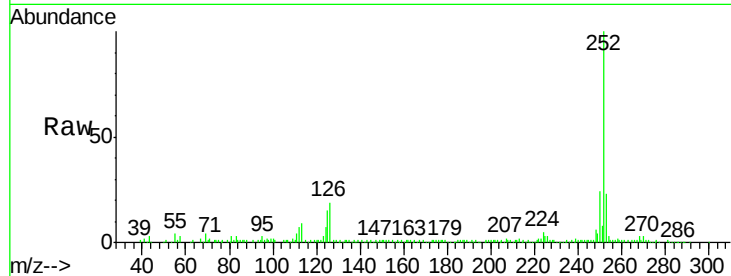
#88
Benzo(k)fluoranthene
Concen: 7.57 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	15.1	11.2	16.8

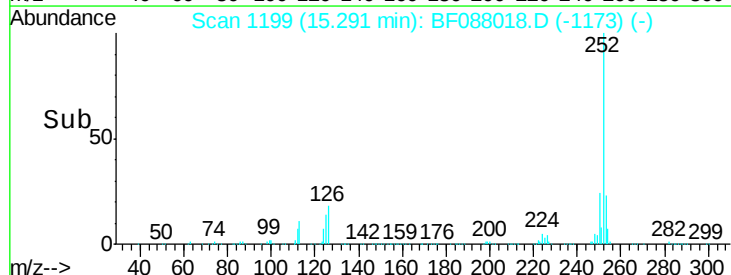
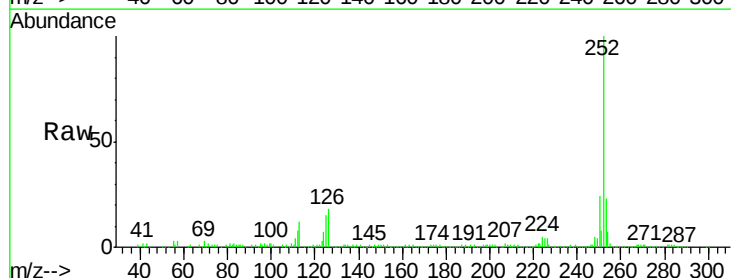
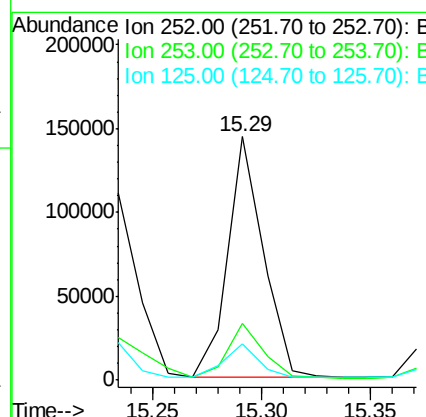
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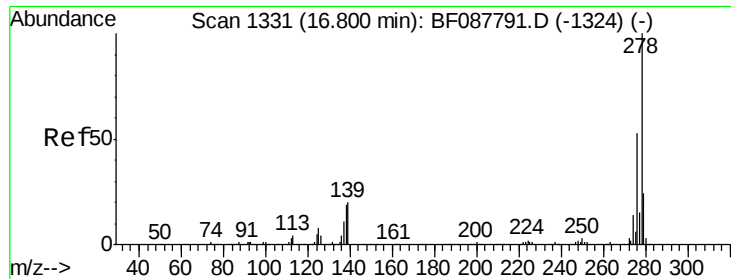
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#89
Benzo(a)pyrene
Concen: 14.64 ng
RT: 15.29 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.8	12.5	18.7





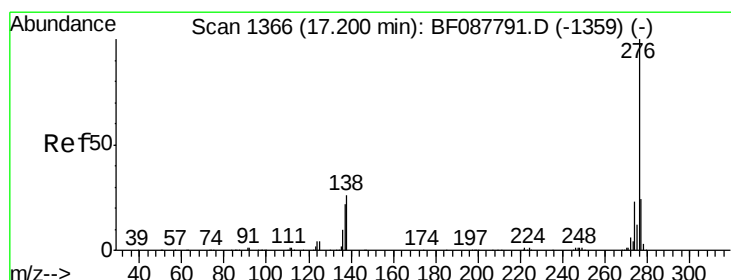
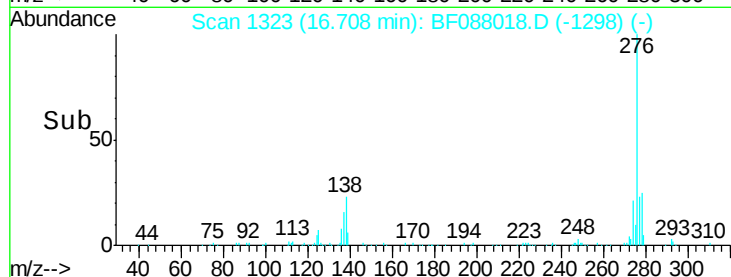
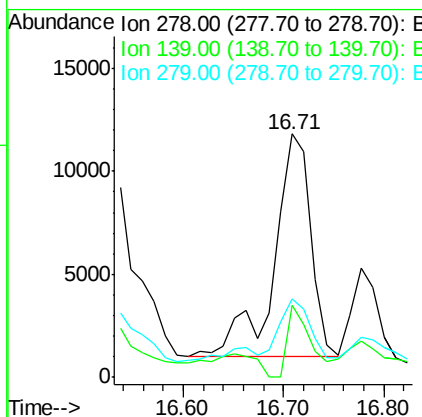
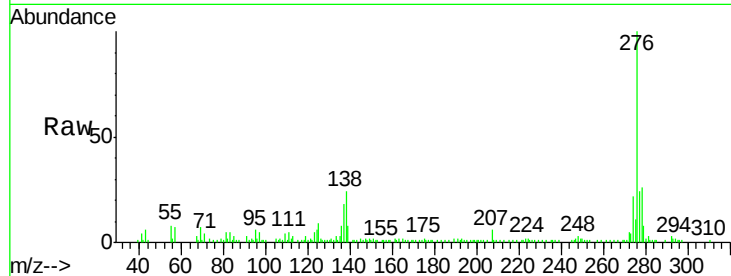
#90
Dibenzo(a,h)anthracene
Concen: 2.64 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.7	15.7	23.5#
279	32.1	19.4	29.2#

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#91
Benzo(g,h,i)perylene
Concen: 6.90 ng
RT: 17.11 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	29.0	21.4	32.2

