

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084884.D
 Acq On : 6 Feb 2016 2:32
 Operator : SJ/IZ
 Sample : H1320-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B017(5-7)

Manual Integrations
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Quant Time: Feb 06 04:14:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	184664	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	738417	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	323246	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	540029	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	354450	20.00	ng	-0.03
86) Perylene-d12	15.17	264	333467	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	289650	24.43	ng	-0.03
7) Phenol-d6	6.30	99	387370	26.36	ng	-0.03
23) Nitrobenzene-d5	7.23	82	208342	15.89	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	70480	20.90	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	395295	15.40	ng	-0.03
78) Terphenyl-d14	12.76	244	248353	15.88	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	58398	2.37	ng	# 90
54) Dibenzofuran	9.89	168	52576	2.05	ng	92
57) Fluorene	10.24	166	53762	2.51	ng	# 97
70) Phenanthrene	11.20	178	721845	24.10	ng	98
71) Anthracene	11.24	178	162790	5.39	ng	98
74) Fluoranthene	12.39	202	882706	29.12	ng	95
77) Pyrene	12.60	202	735558	27.10	ng	97
80) Benzo(a)anthracene	13.79	228	319254	14.51	ng	96
82) Chrysene	13.83	228	213385	10.00	ng	97
85) Indeno(1,2,3-cd)pyrene	16.44	276	155228	9.24	ng	# 93
87) Benzo(b)fluoranthene	14.80	252	283784m	12.67	ng	
88) Benzo(k)fluoranthene	14.81	252	123414m	6.66	ng	
89) Benzo(a)pyrene	15.12	252	238895	12.51	ng	# 96
90) Dibenzo(a,h)anthracene	16.45	278	32677m	2.03	ng	
91) Benzo(a,h,i)perylene	16.82	276	151461	9.36	ng	98

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

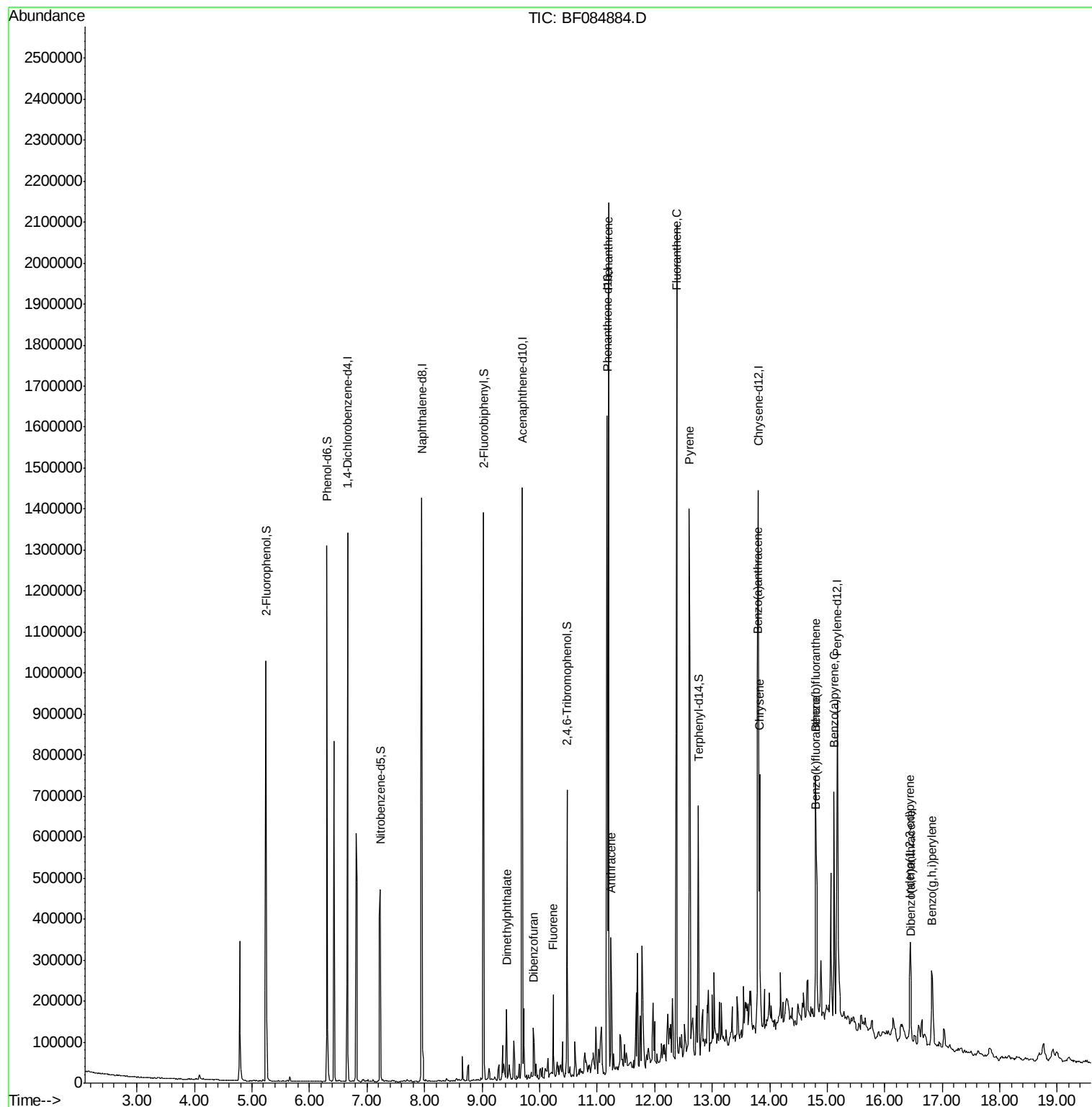
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
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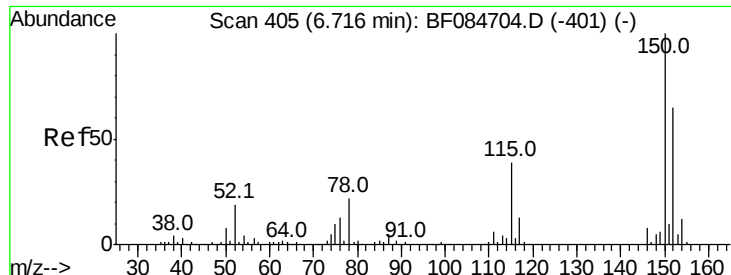
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

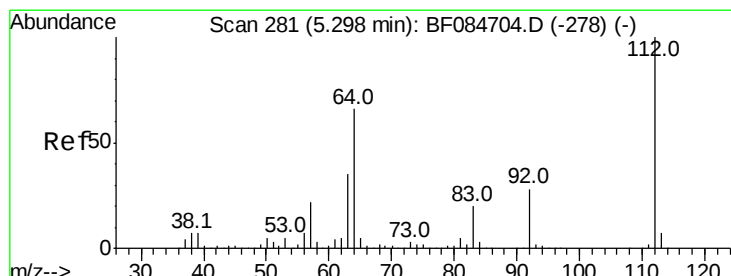
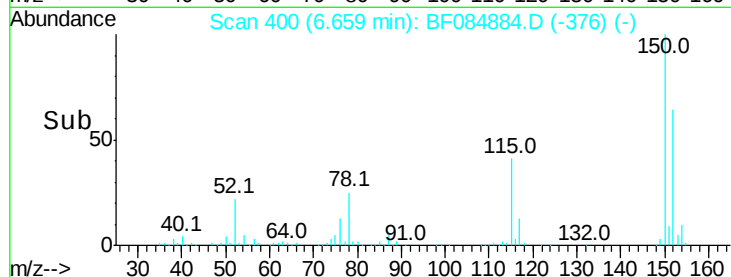
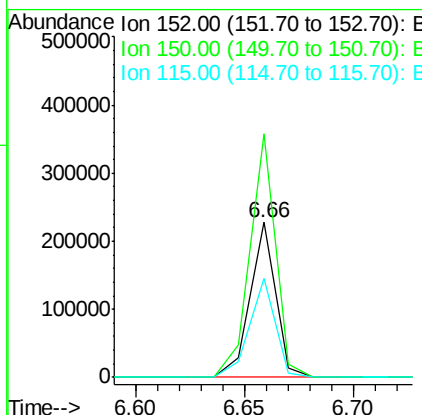
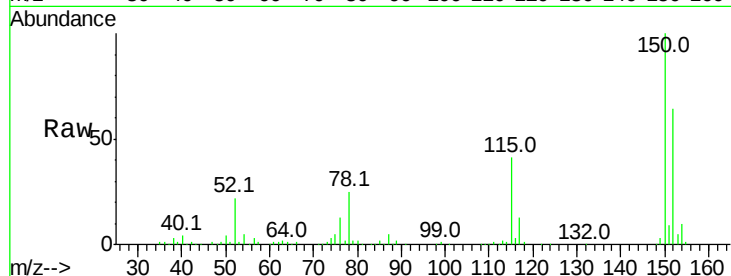
ClientSampleId :

S4-B017(5-7)

Tot Ion:	152	Resp:	184664
Ion Ratio	Lower	Upper	
152	100		
150	157.0	123.0	184.4
115	64.2	51.4	77.2

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#5

2-Fluorophenol

Concen: 24.43 ng

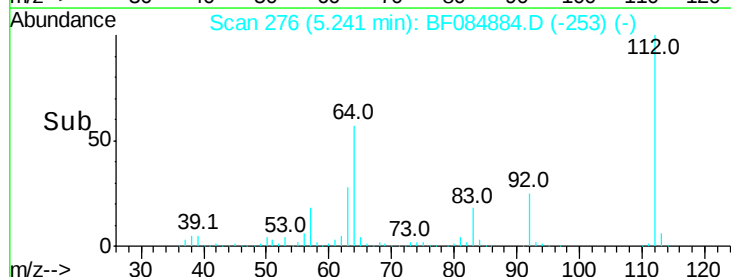
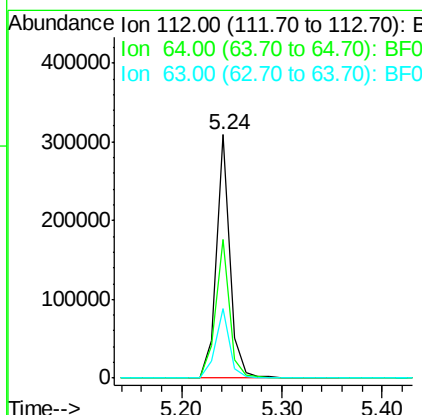
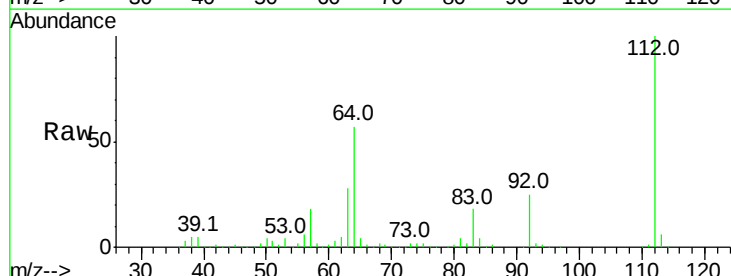
RT: 5.24 min Scan# 276

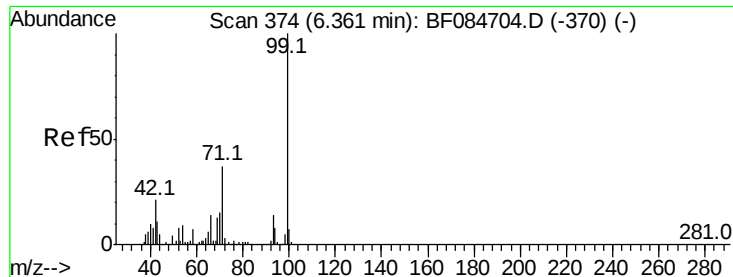
Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion:	112	Resp:	289650
Ion Ratio	Lower	Upper	
112	100		
64	57.2	36.6	55.0#
63	28.5	19.4	29.0





#7

Phenol-d6

Concen: 26.36 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

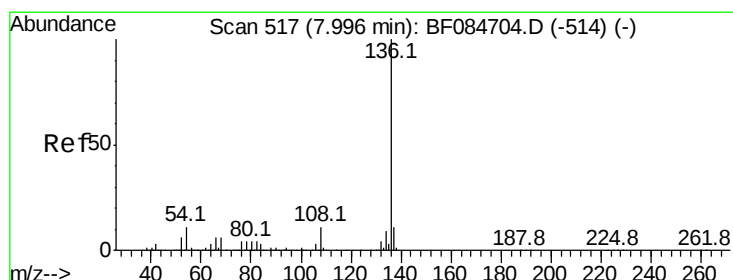
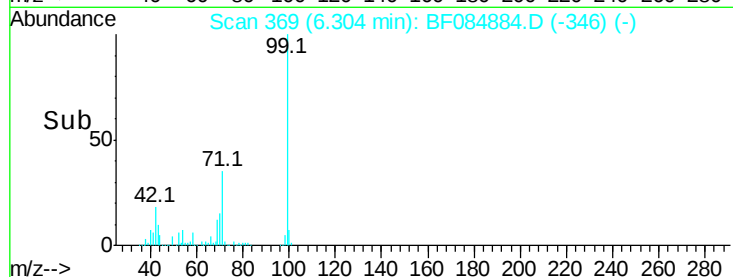
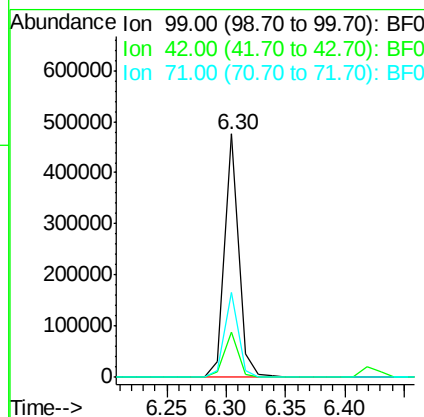
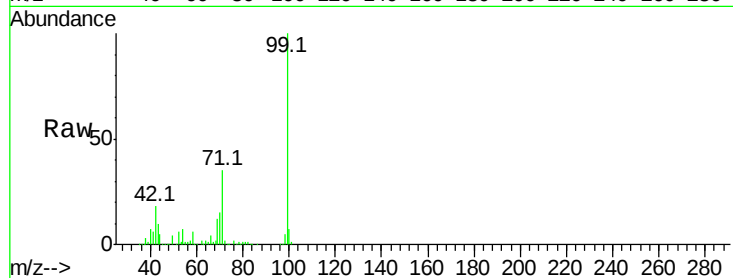
ClientSampleId :

S4-B017(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		387370		
42	18.3	12.8	19.2		
71	34.8	30.9	46.3		

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#21

Naphthalene-d8

Concen: 20.00 ng

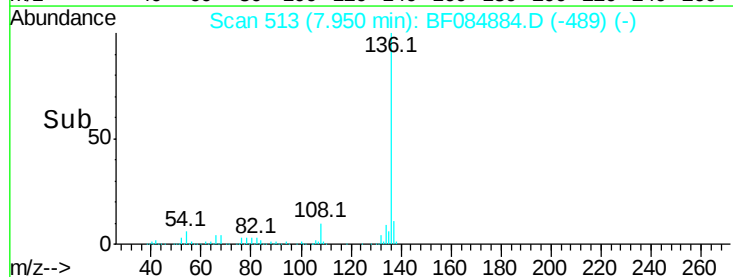
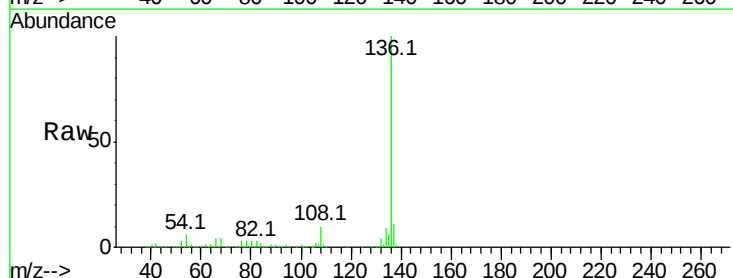
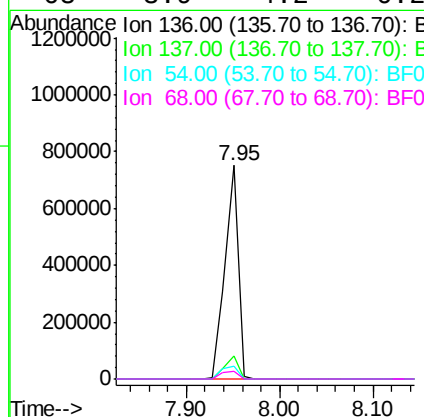
RT: 7.95 min Scan# 513

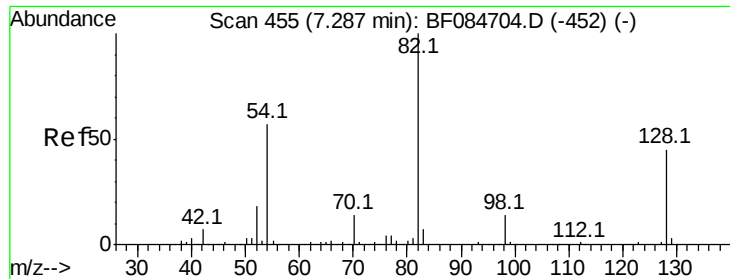
Delta R.T. -0.02 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		738417		
137	10.6	8.7	13.1		
54	6.1	5.8	8.8		
68	3.9	4.2	6.2#		





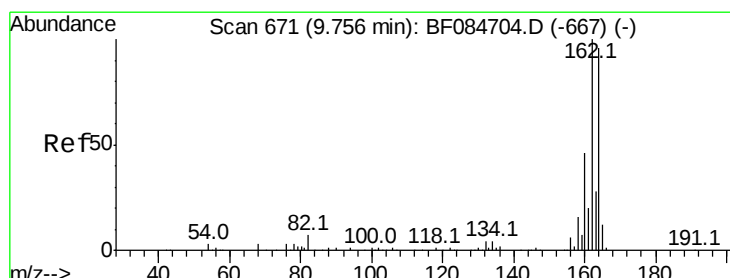
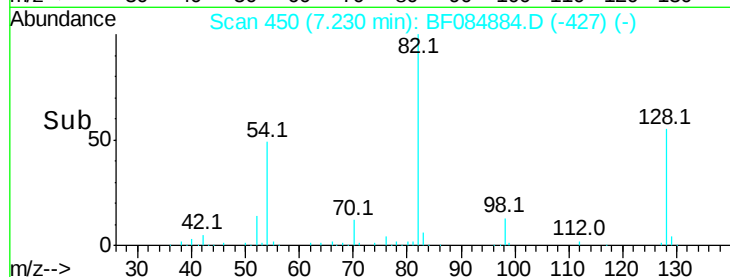
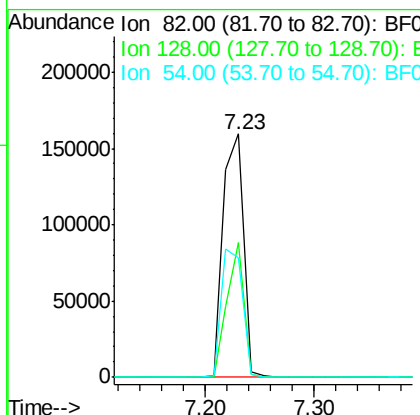
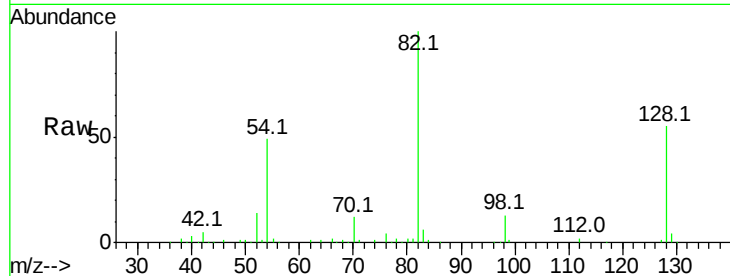
#23
 Nitrobenzene-d5
 Concen: 15.89 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	55.4	34.6	51.8#	
54	49.0	38.4	57.6	

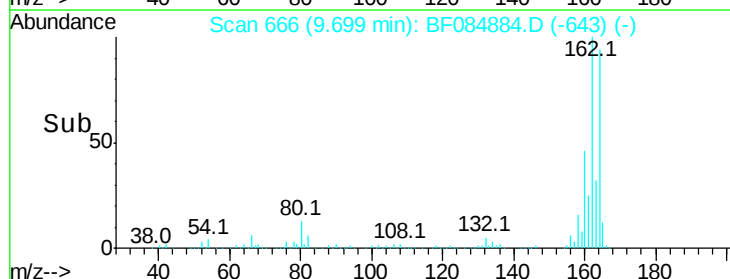
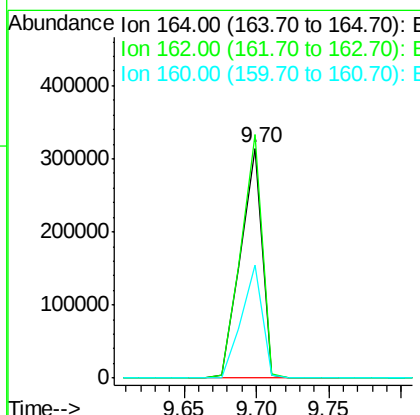
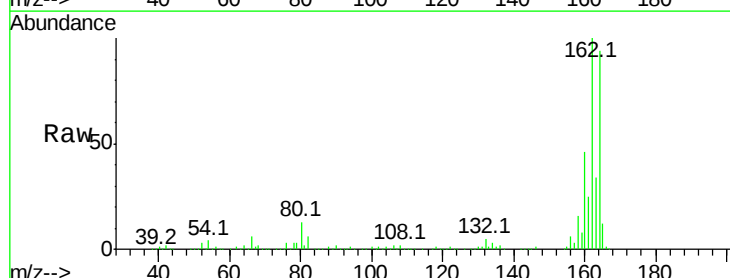
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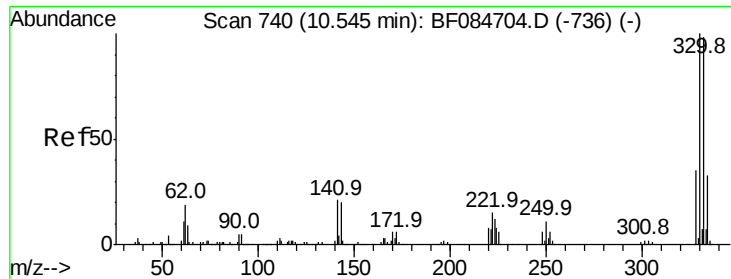
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.0	85.1	127.7	
160	49.3	37.5	56.3	





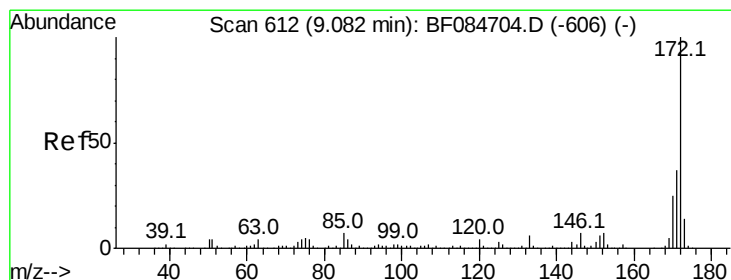
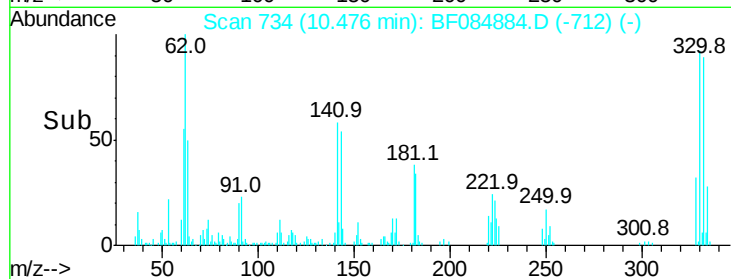
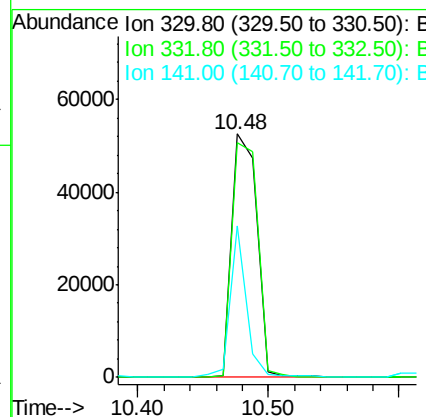
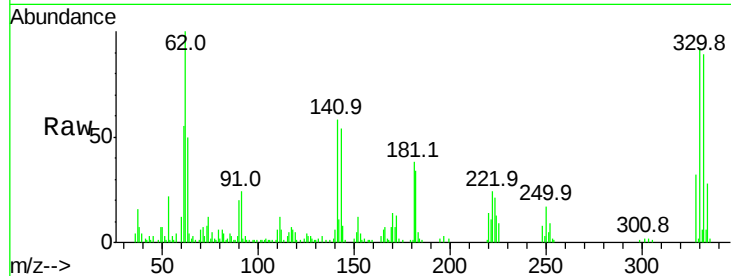
#41
 2,4,6-Tribromophenol
 Concen: 20.90 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	70480		
332	99.2	76.6	114.8	
141	40.7	27.8	41.6	

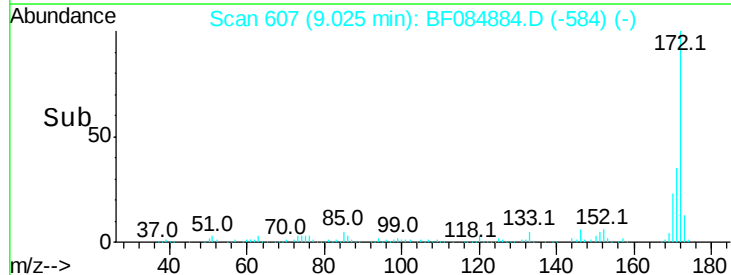
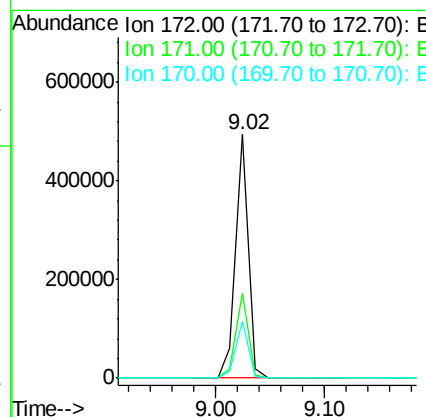
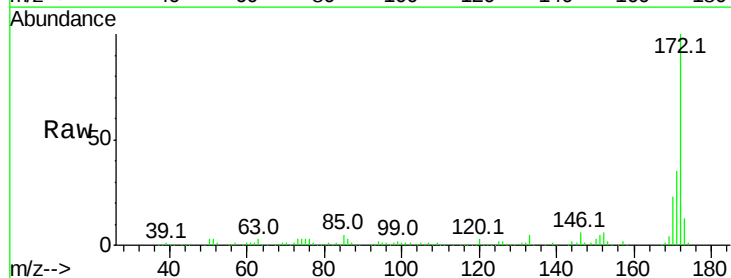
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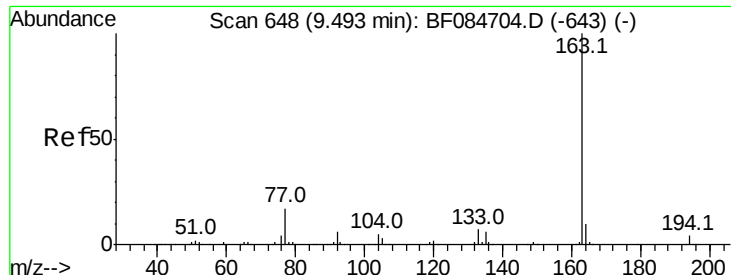
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#44
 2-Fluorobiphenyl
 Concen: 15.40 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	395295		
171	34.9	28.9	43.3	
170	23.2	18.6	27.8	





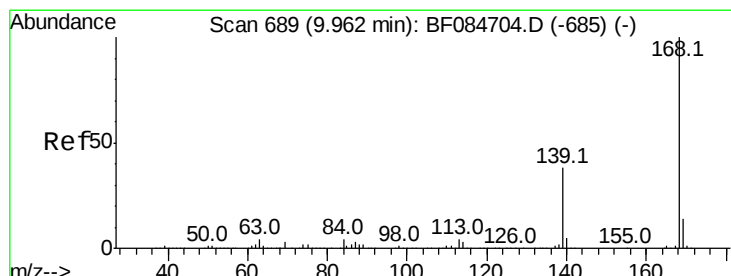
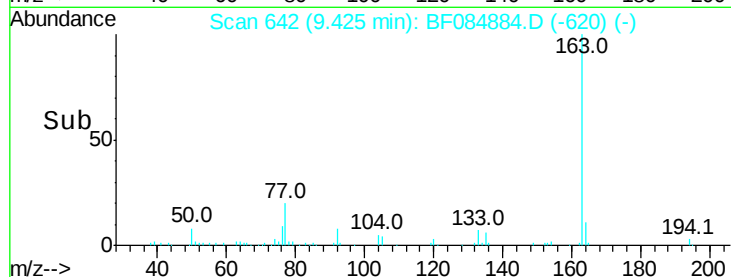
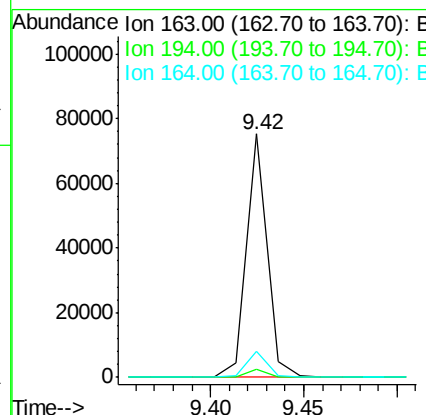
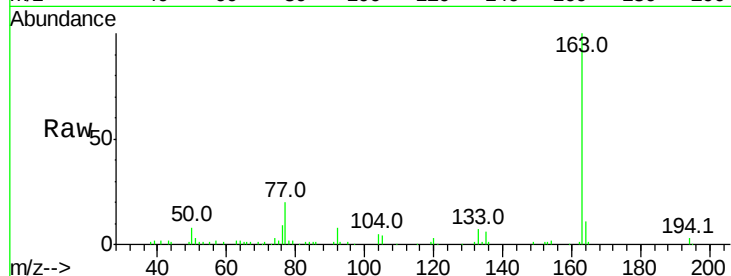
#49
Dimethylphthalate
Concen: 2.37 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Instrument :
BNA_F
ClientSampleId :
S4-B017(5-7)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.5	8.0	12.0

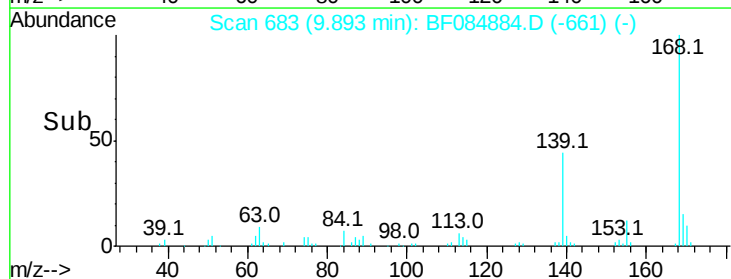
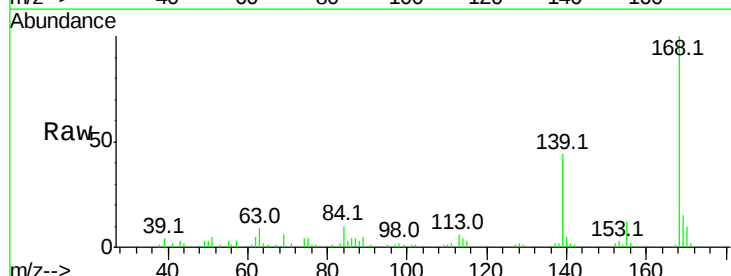
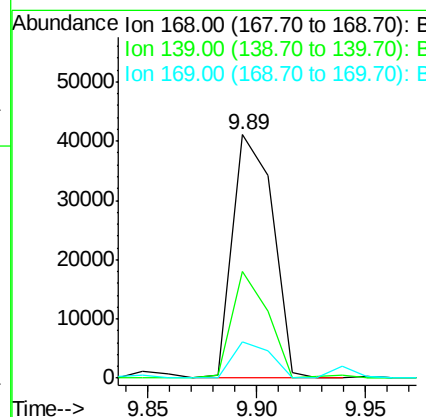
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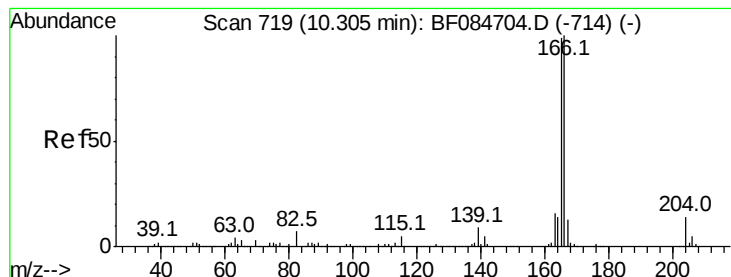
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#54
Dibenzofuran
Concen: 2.05 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.05 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp Lower	Upper
168	100		
139	43.8	30.5	45.7
169	14.6	10.4	15.6





#57

Fluorene

Concen: 2.51 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

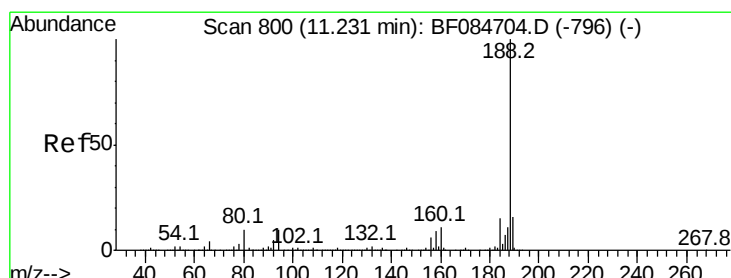
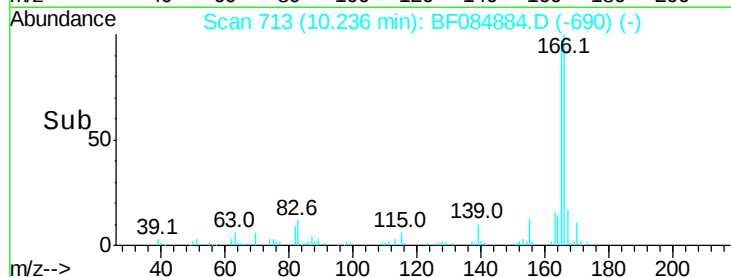
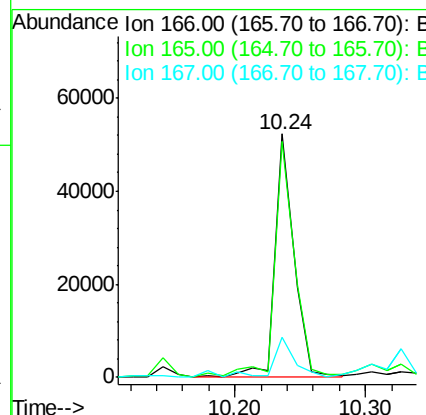
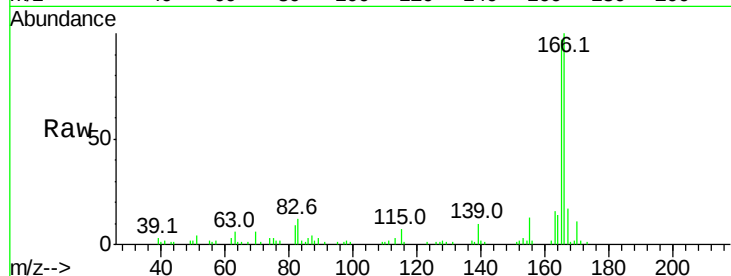
ClientSampleId :

S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.7	79.1	118.7	
167	16.5	10.4	15.6	

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#63

Phenanthrene-d10

Concen: 20.00 ng

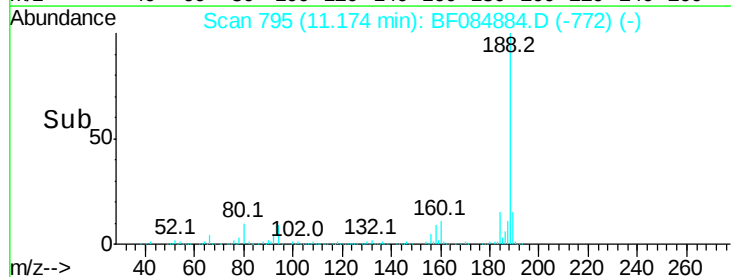
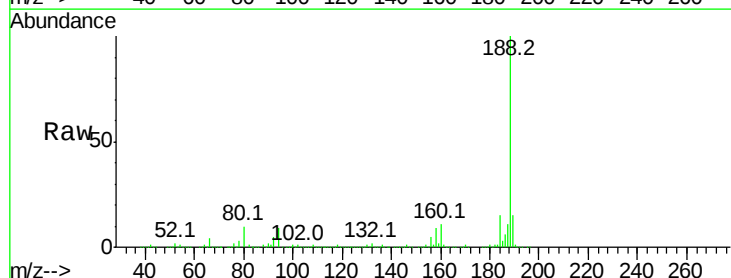
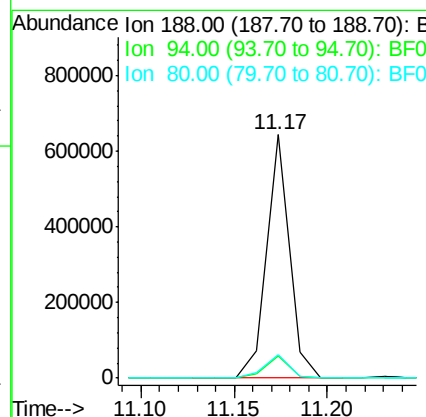
RT: 11.17 min Scan# 795

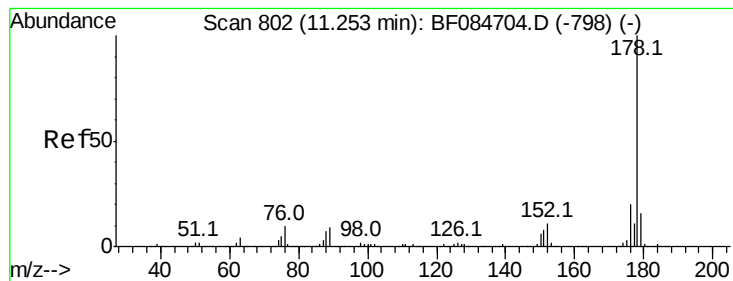
Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.0	9.0	13.4	
80	9.6	9.6	14.4	





#70

Phenanthrene

Concen: 24.10 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

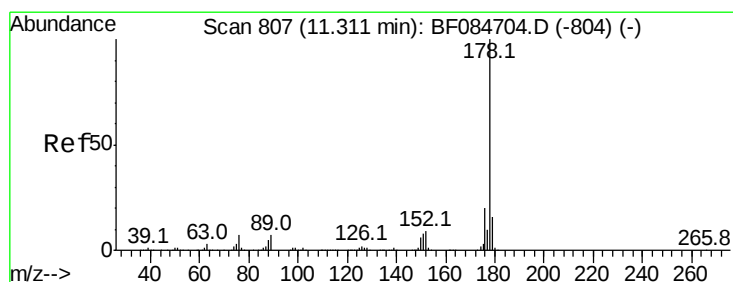
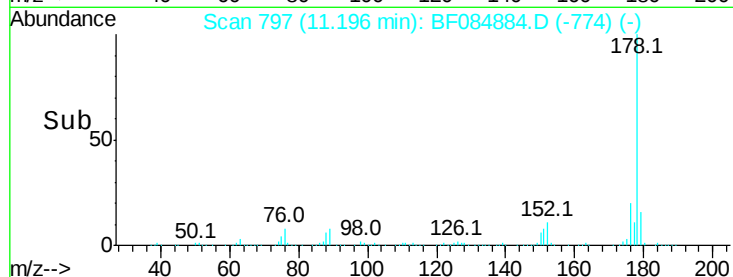
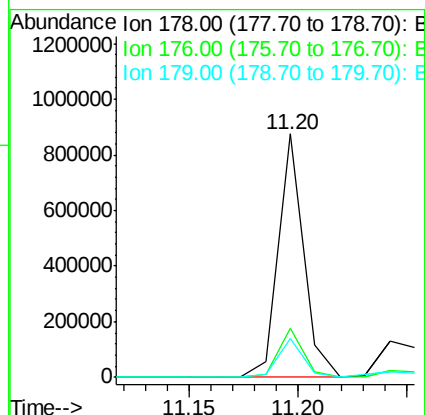
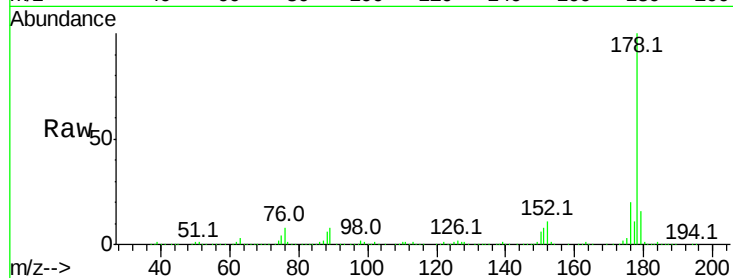
ClientSampleId :

S4-B017(5-7)

Tot Ion:	178	Resp:	721845
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.3	22.9
179	16.0	12.0	18.0

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#71

Anthracene

Concen: 5.39 ng

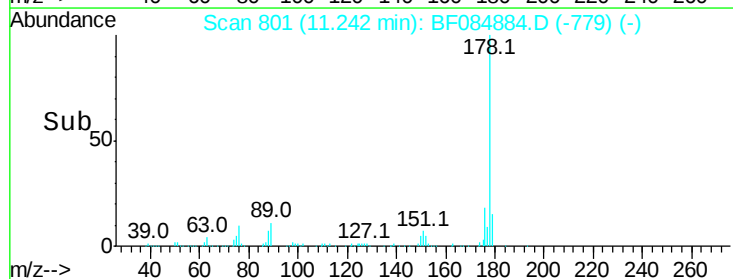
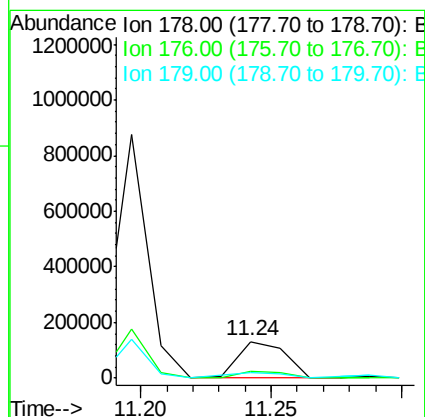
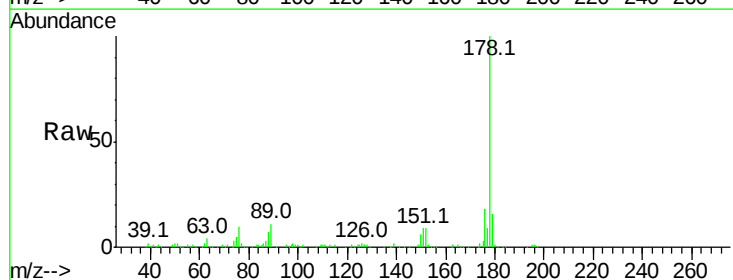
RT: 11.24 min Scan# 801

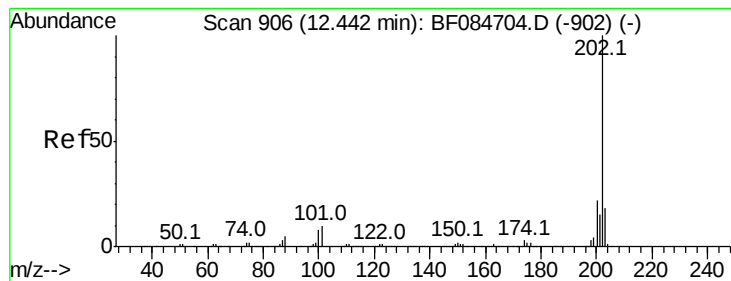
Delta R.T. -0.05 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion:	178	Resp:	162790
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	15.7	12.5	18.7





#74

Fluoranthene

Concen: 29.12 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

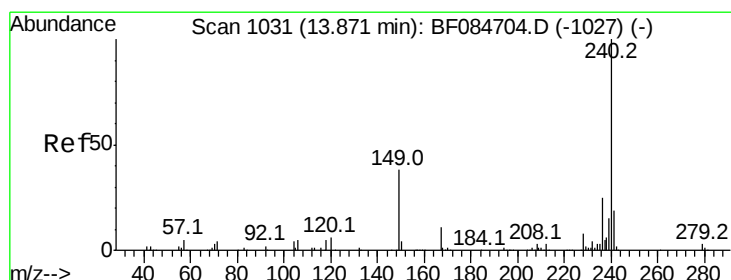
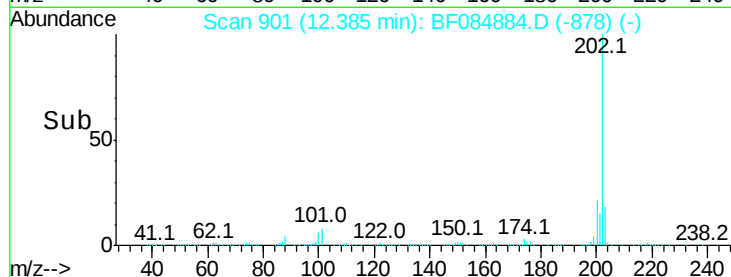
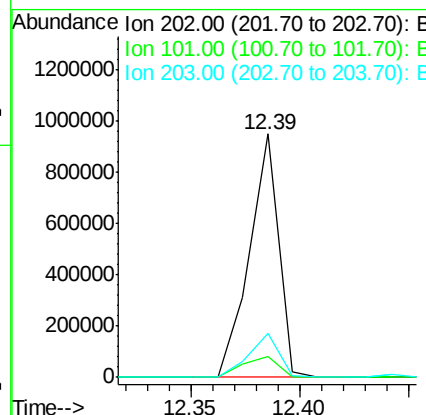
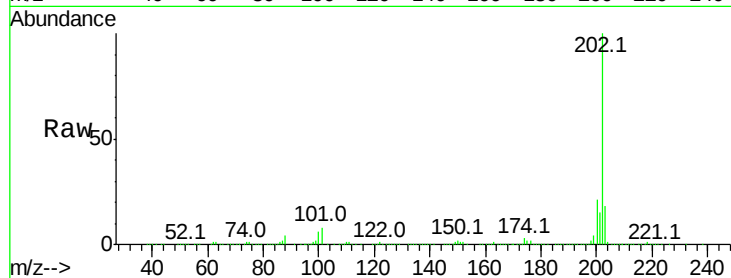
ClientSampleId :

S4-B017(5-7)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	0.0	32.8
203	17.9	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

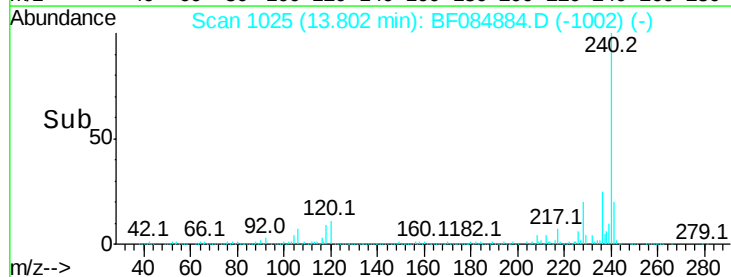
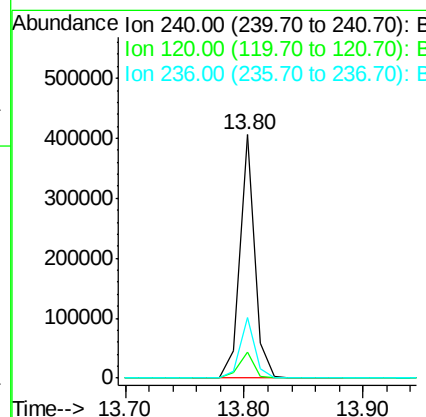
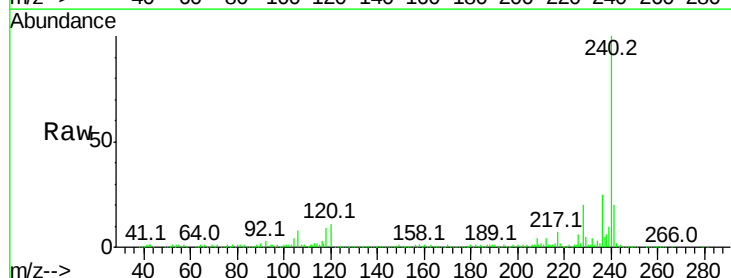
RT: 13.80 min Scan# 1025

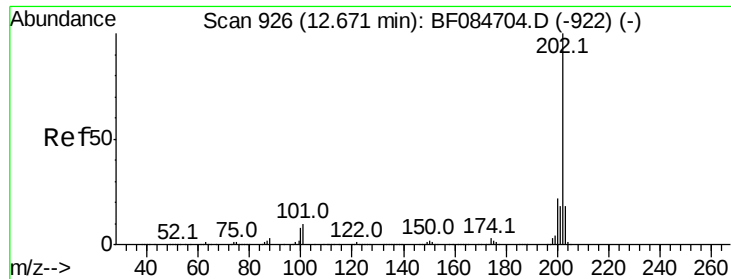
Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	24.7	20.6	31.0





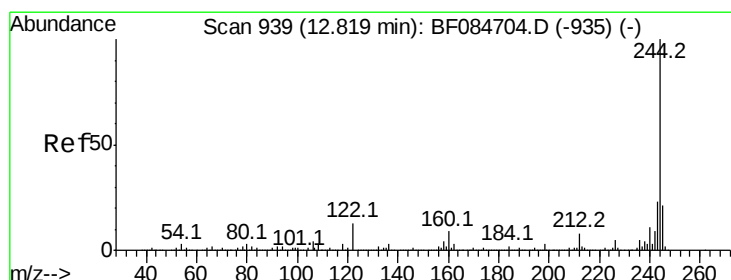
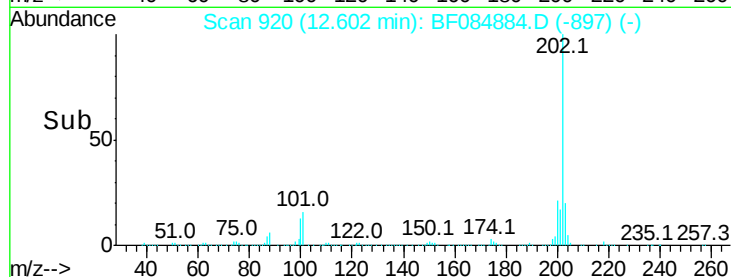
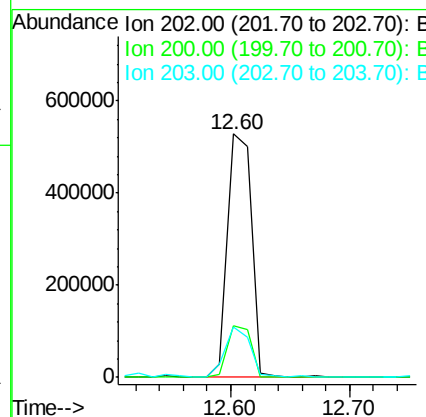
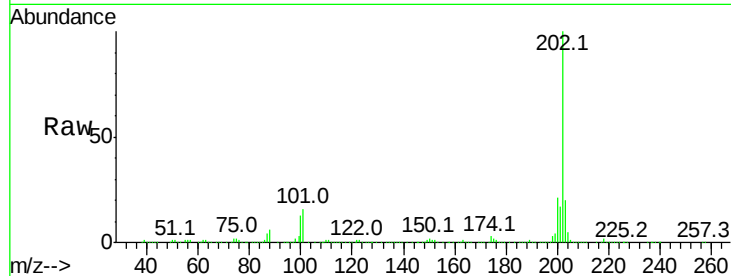
#77
Pvrene
Concen: 27.10 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Instrument :
BNA_F
ClientSampleId :
S4-B017(5-7)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.2	25.8
203	20.5	14.3	21.5

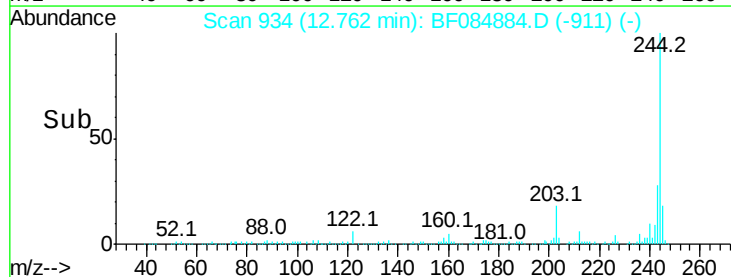
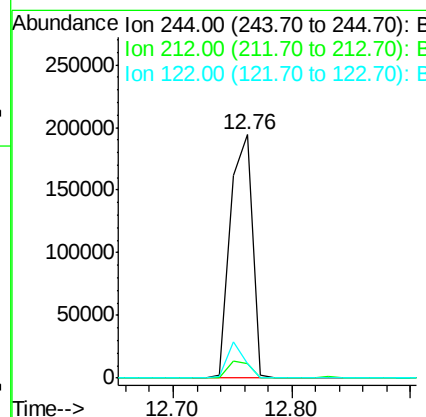
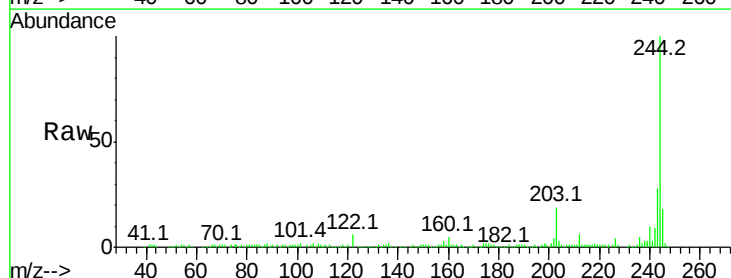
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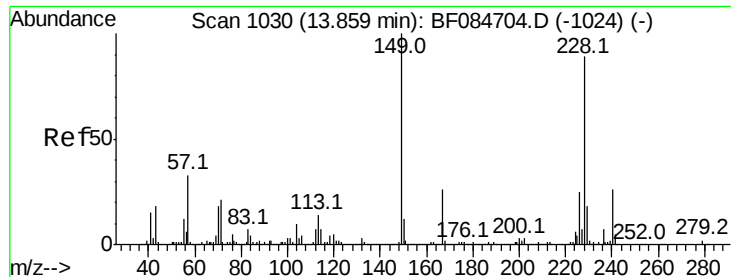
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#78
Terphenyl-d14
Concen: 15.88 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.7	8.5
122	5.8	7.4	11.0#





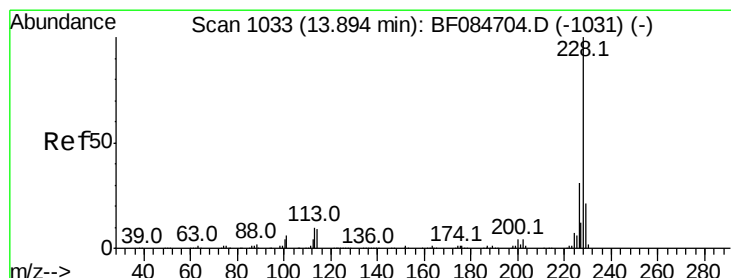
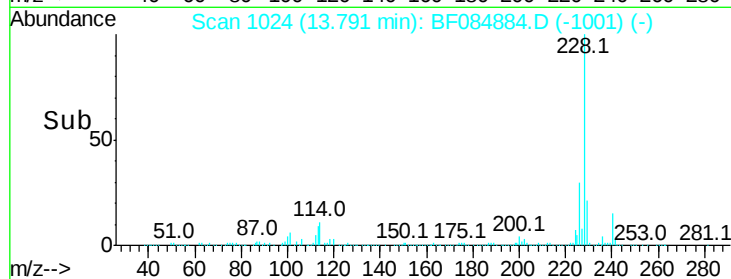
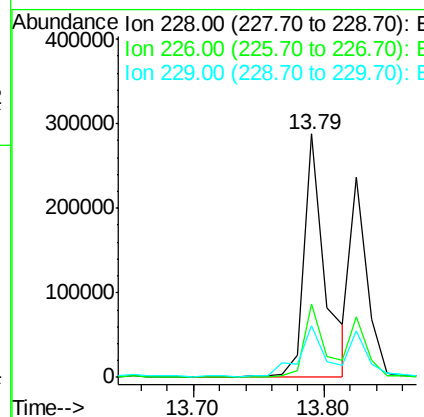
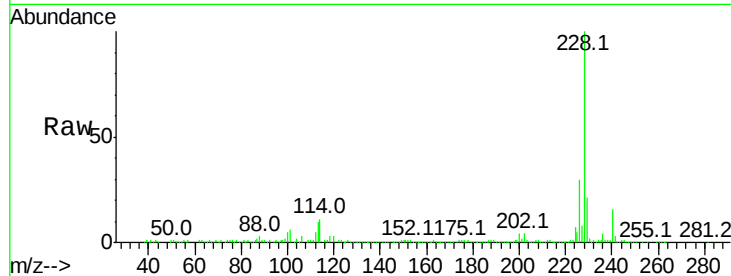
#80
Benzo(a)anthracene
Concen: 14.51 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Instrument :
BNA_F
ClientSampleId :
S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	319254		
226	29.9	21.8	32.6	
229	21.0	15.8	23.8	

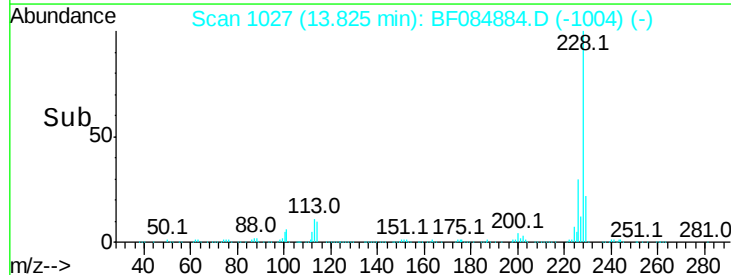
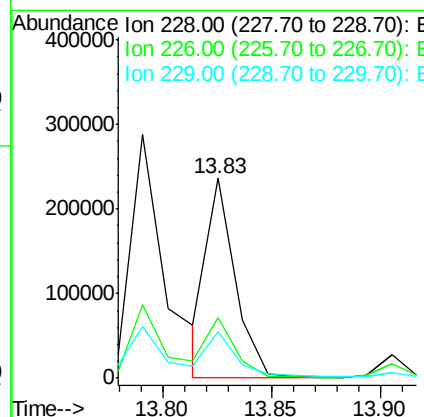
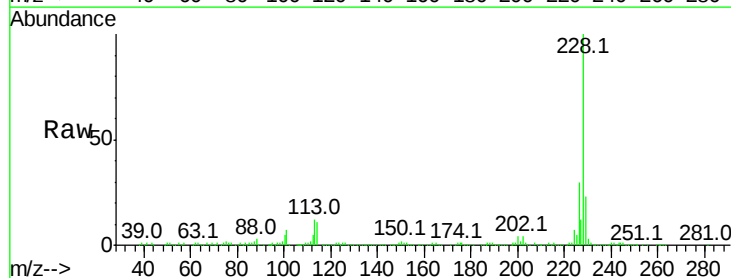
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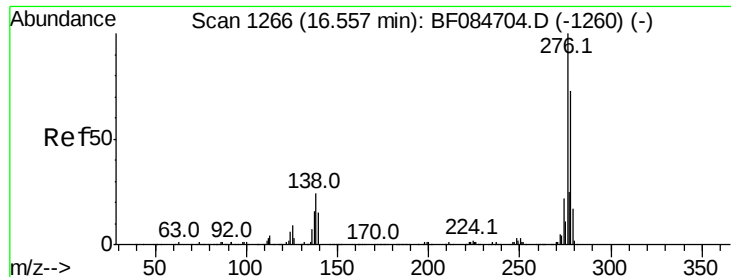
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#82
Chrysene
Concen: 10.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	213385		
226	30.1	24.3	36.5	
229	23.4	16.1	24.1	





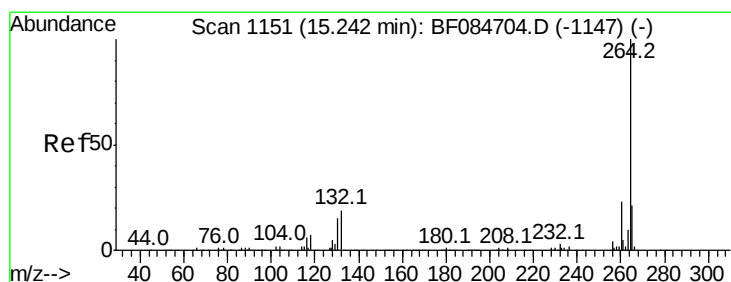
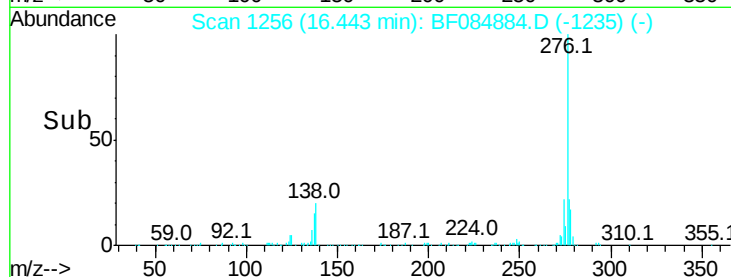
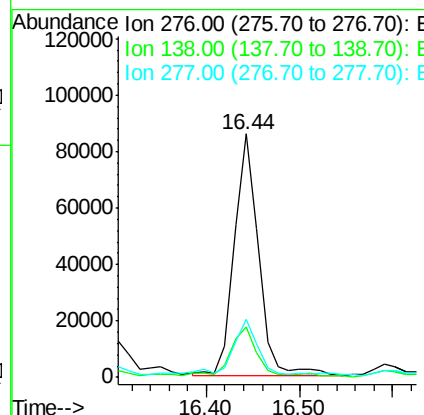
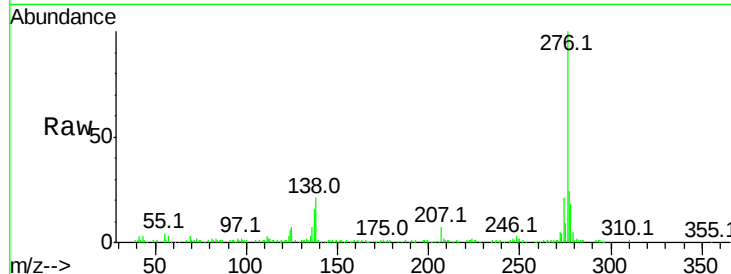
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.24 ng
 RT: 16.44 min Scan# 1256
 Delta R.T. -0.06 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	155228		
138	19.7	20.6	30.8#	
277	25.6	20.1	30.1	

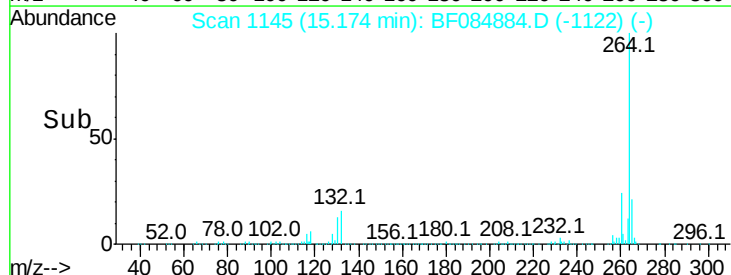
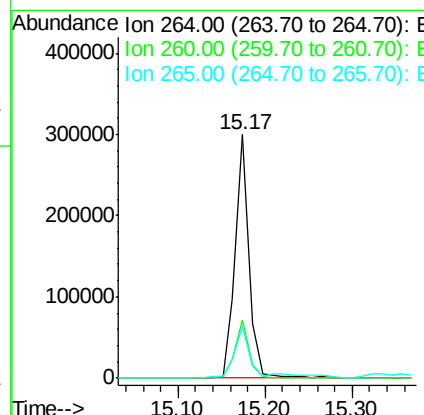
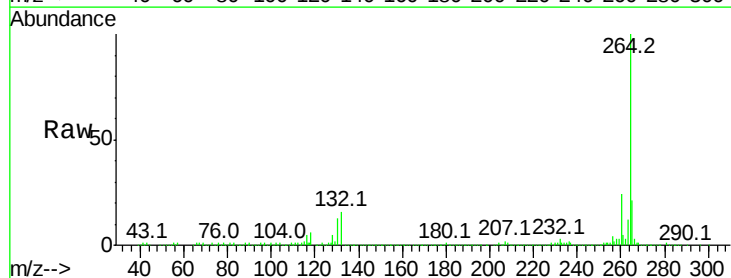
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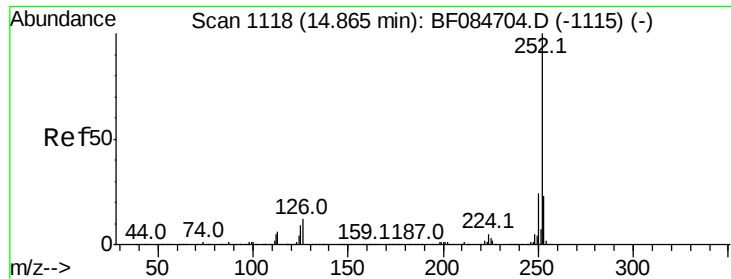
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	333467		
260	23.8	19.4	29.2	
265	20.9	17.8	26.6	





#87

Benzo(b)fluoranthene

Concen: 12.67 ng m

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Instrument :

BNA_F

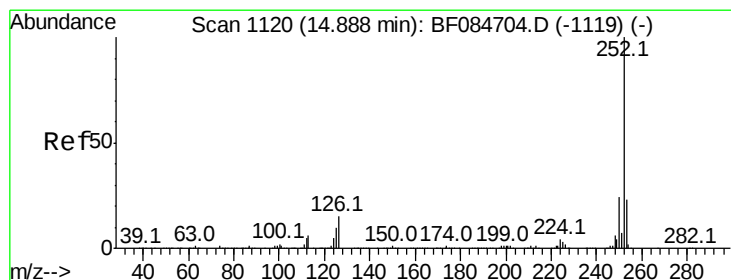
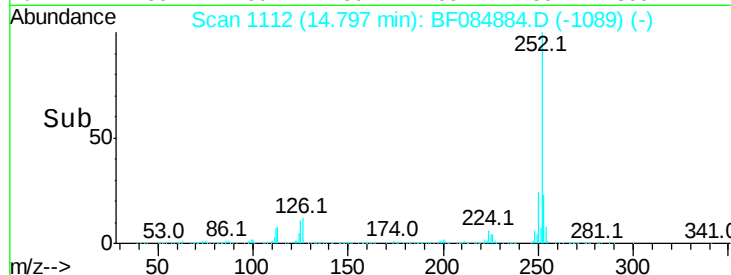
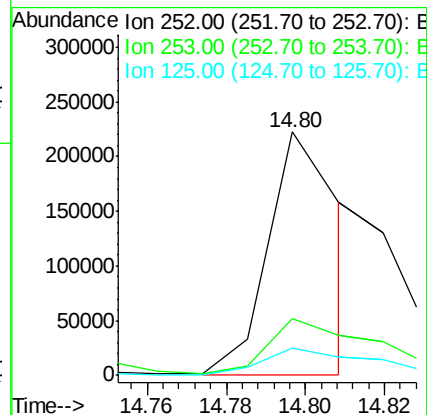
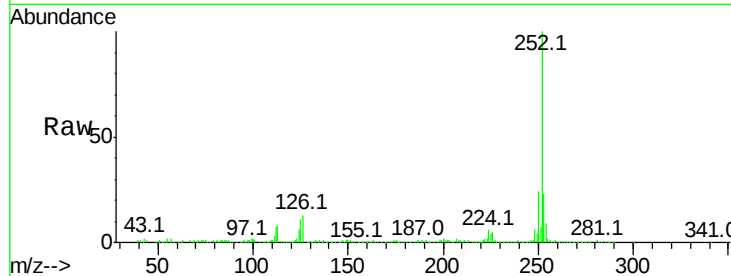
ClientSampleId :

S4-B017(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	283784		
253	23.1	17.3	25.9	
125	11.3	6.5	9.7#	

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#88

Benzo(k)fluoranthene

Concen: 6.66 ng m

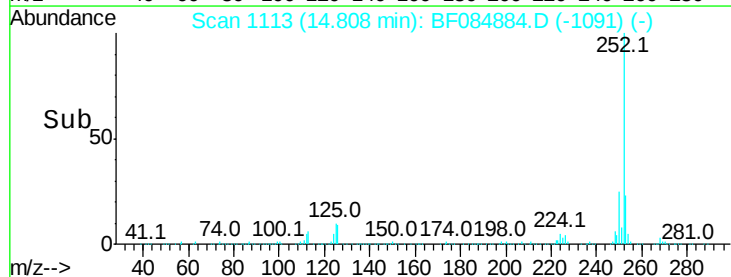
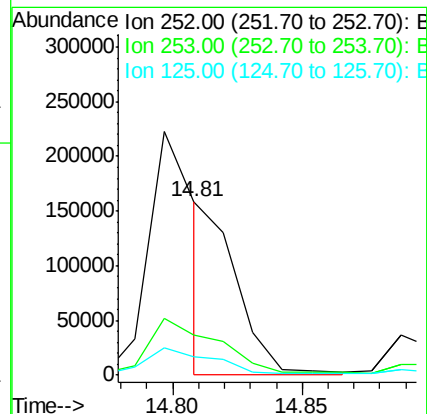
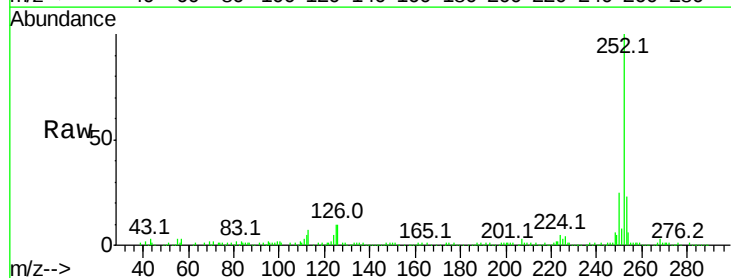
RT: 14.81 min Scan# 1113

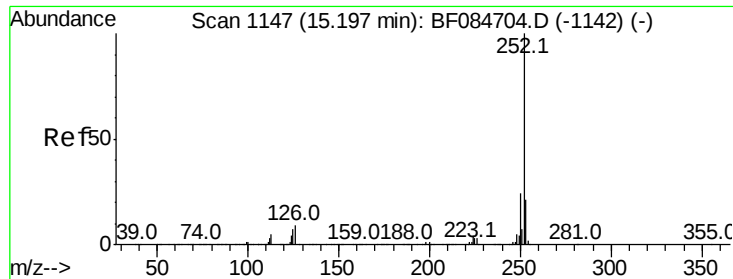
Delta R.T. -0.05 min

Lab File: BF084884.D

Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	123414		
253	23.1	18.1	27.1	
125	10.5	9.0	13.6	





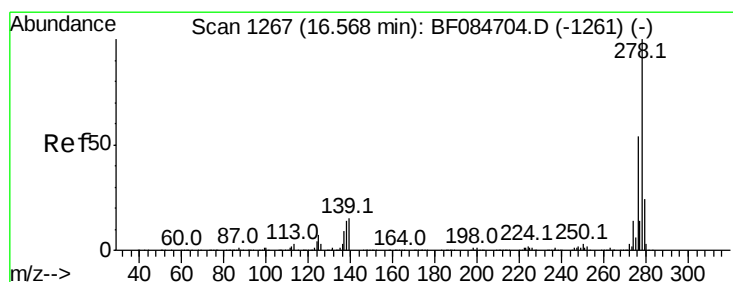
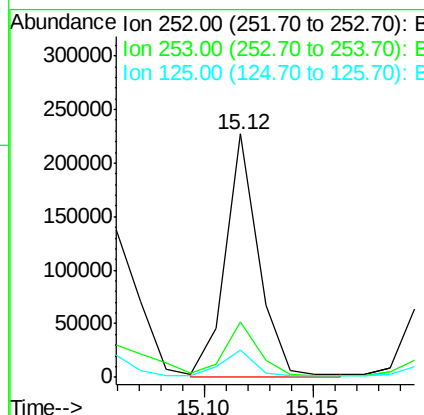
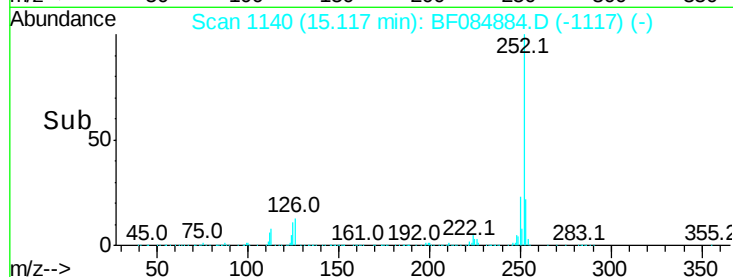
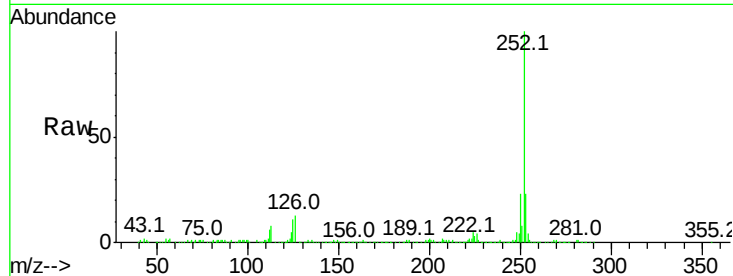
#89
Benzo(a)pyrene
Concen: 12.51 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Instrument :
BNA_F
ClientSampleId :
S4-B017(5-7)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.1	7.0	10.4

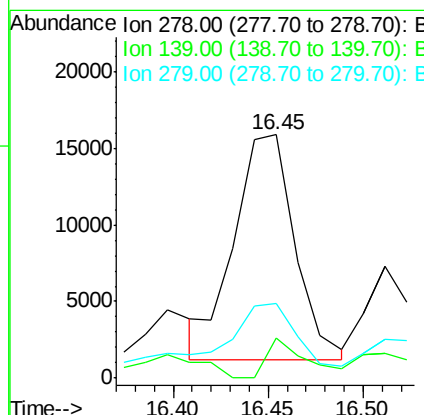
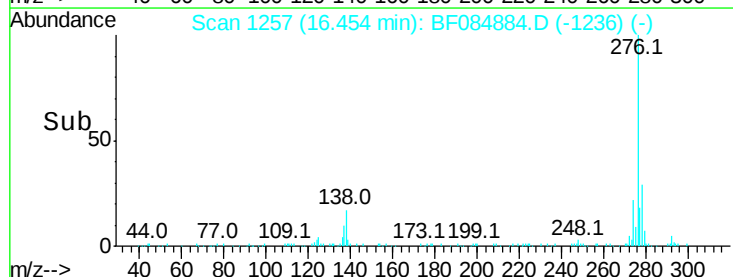
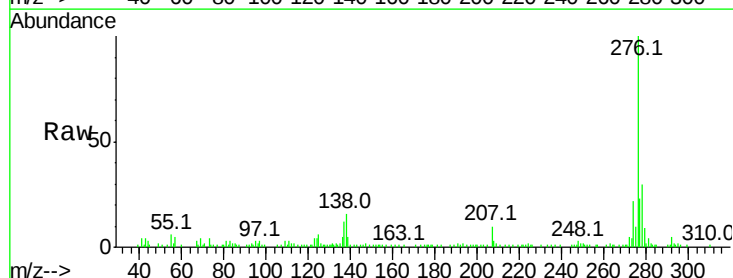
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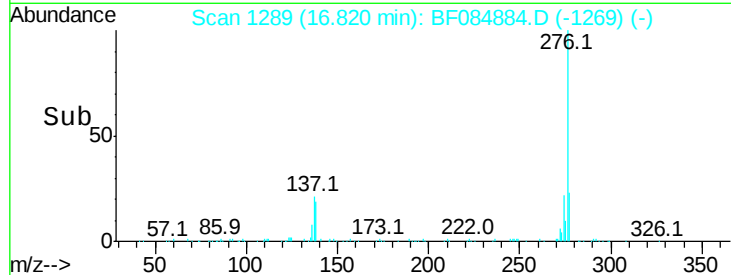
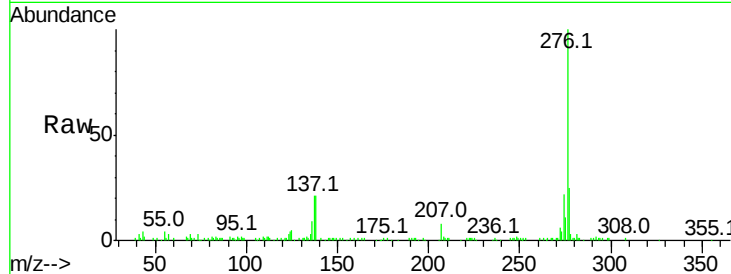
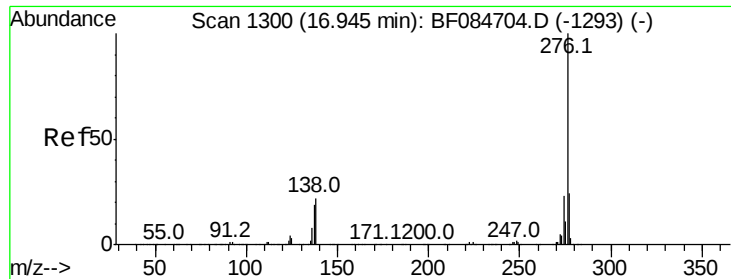
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#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng m
RT: 16.45 min Scan# 1257
Delta R.T. -0.06 min
Lab File: BF084884.D
Acq: 6 Feb 2016 2:32

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.5	15.0	22.4
279	30.9	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 9.36 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. -0.07 min
 Lab File: BF084884.D
 Acq: 6 Feb 2016 2:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B017(5-7)

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.0	18.8	28.2
138	21.3	17.8	26.6

Manual Integrations
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