

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096047.D
 Acq On : 20 Jun 2017 16:26
 Operator : SJ/MA
 Sample : I3693-04 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Manual Integrations
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Quant Time: Jun 20 17:18:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	74318	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	296174	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	118459	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	178345	20.00	ng	0.00
75) Chrysene-d12	18.27	240	149230	20.00	ng	0.00
86) Perylene-d12	19.94	264	116793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	233217	50.00	ng	0.00
7) Phenol-d6	6.87	99	294601	52.76	ng	0.00
23) Nitrobenzene-d5	8.21	82	169889	35.62	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	39560	37.74	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	323722	38.03	ng	0.00
78) Terphenyl-d14	16.92	244	198492	33.01	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.80	163	60862	6.77	ng	99
51) Acenaphthene	12.20	154	16528	2.19	ng	97
54) Dibenzofuran	12.49	168	24925	2.35	ng	92
57) Fluorene	13.04	166	31781	3.44	ng	96
70) Phenanthrene	14.57	178	189251	18.39	ng	97
71) Anthracene	14.66	178	73744	6.86	ng	97
74) Fluoranthene	16.36	202	232442	22.82	ng	99
77) Pyrene	16.67	202	209701	18.83	ng	97
80) Benzo(a)anthracene	18.26	228	119620	13.79	ng	98
82) Chrysene	18.30	228	112519	12.98	ng	98
85) Indeno(1,2,3-cd)pyrene	21.11	276	53753	7.25	ng	# 91
87) Benzo(b)fluoranthene	19.54	252	139018m	19.01	ng	
88) Benzo(k)fluoranthene	19.57	252	49521m	7.08	ng	
89) Benzo(a)pyrene	19.89	252	98916	14.72	ng	98
90) Dibenzo(a,h)anthracene	21.10	278	16521	2.90	ng	# 80
91) Benzo(g,h,i)perylene	21.44	276	48074	8.27	ng	98

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

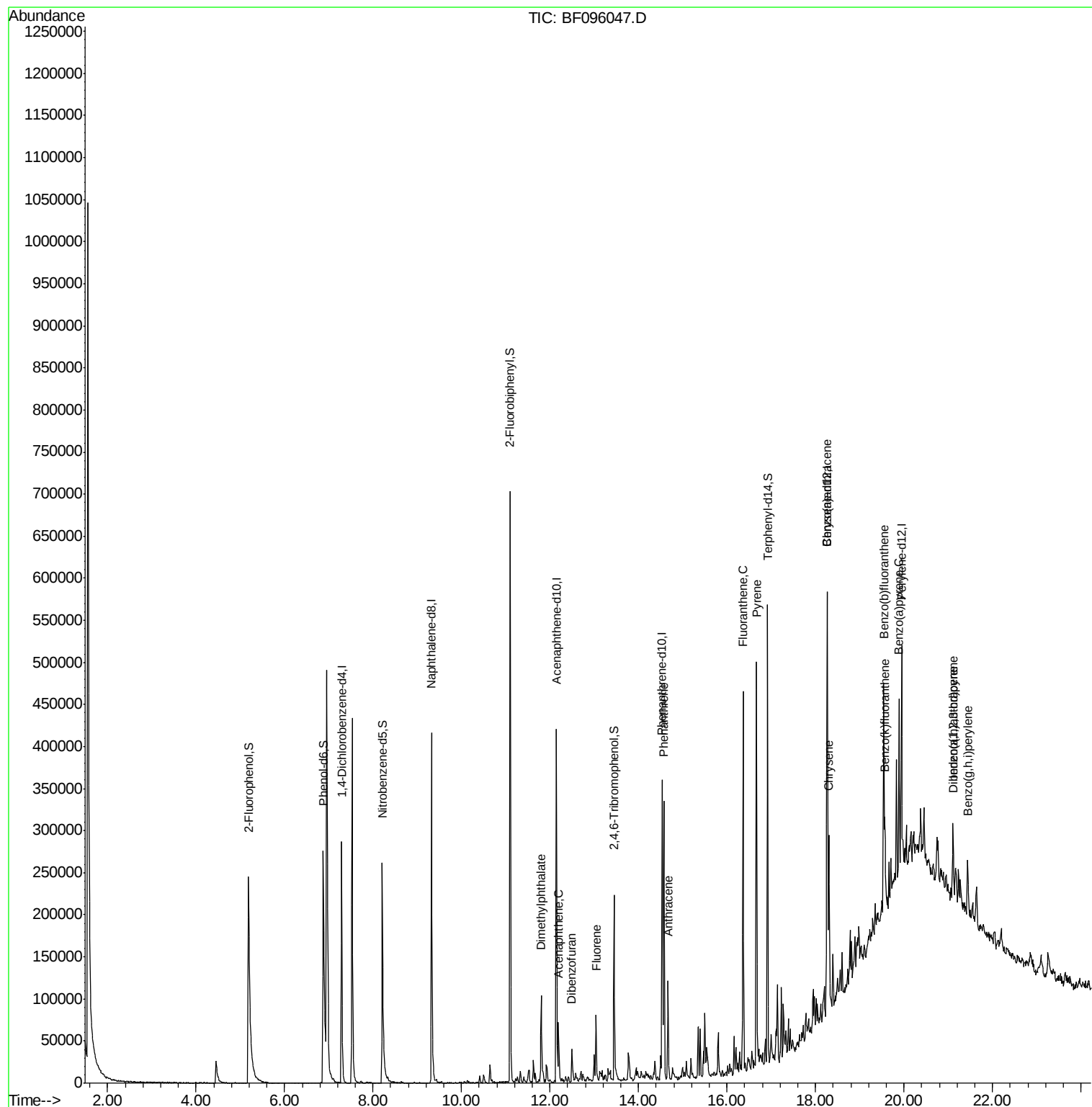
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
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#1

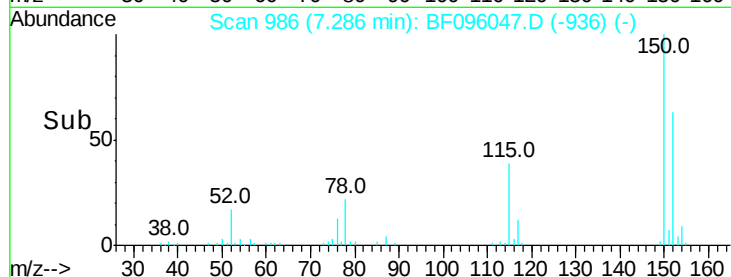
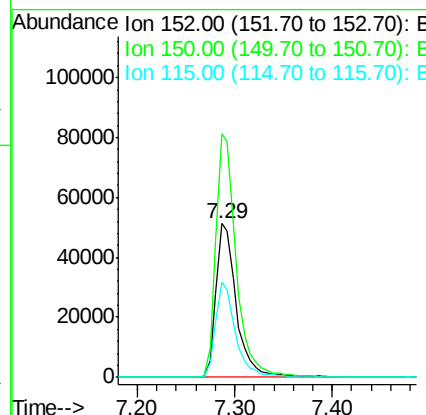
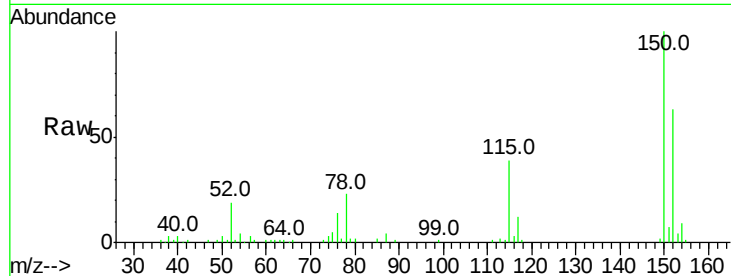
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	61.8	52.2	78.2

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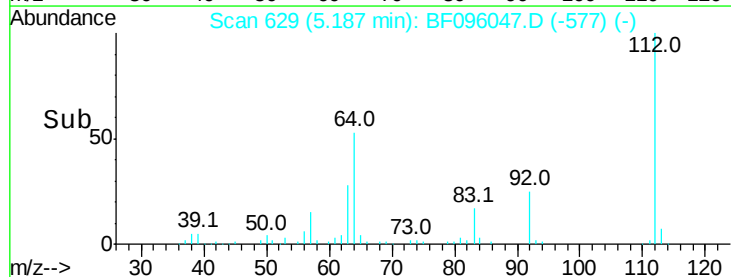
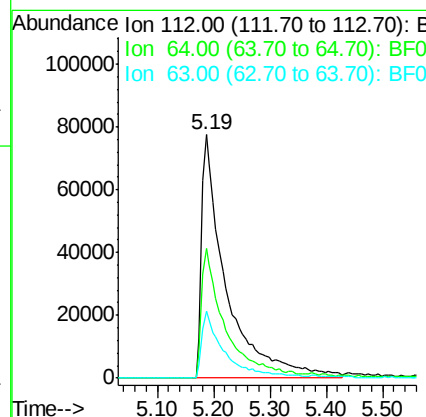
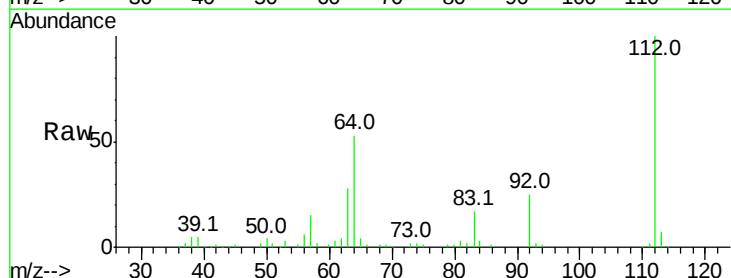
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#5

2-Fluorophenol
Concen: 50.00 ng
RT: 5.19 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	27.6	23.4	35.0





#7

Phenol-d6

Concen: 52.76 ng

RT: 6.87 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF096047.D

Acq: 20 Jun 2017 16:26

Instrument :

BNA_F

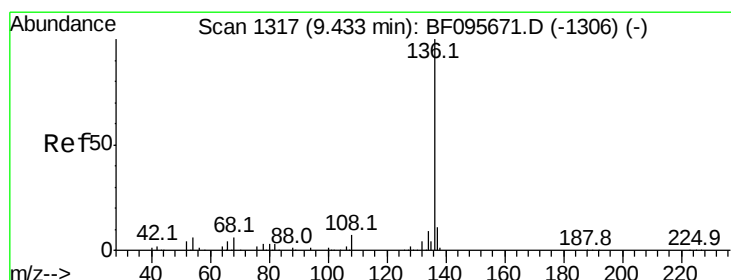
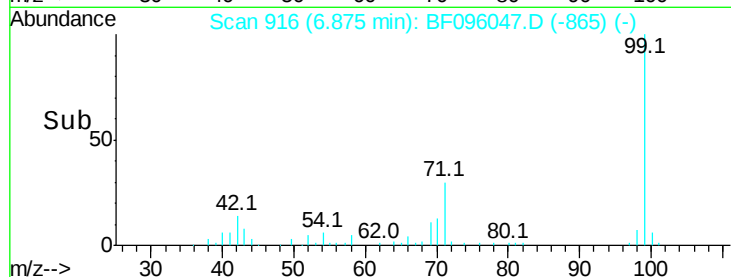
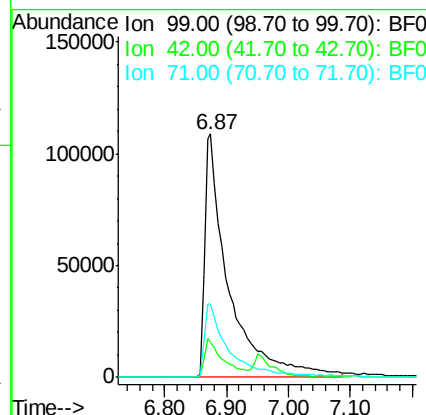
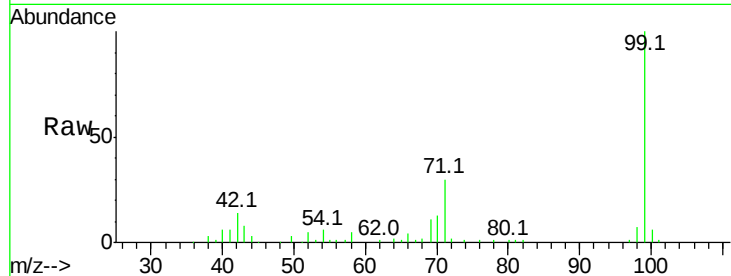
ClientSampleId :

PL-01-061417-B

Tot Ion:	99	Resp:	294601
Ion Ratio	Lower	Upper	
99	100		
42	14.4	13.5	20.3
71	30.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

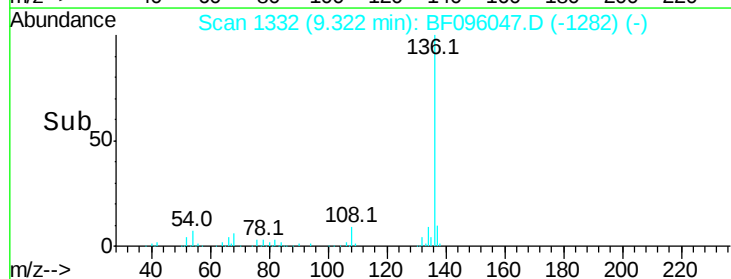
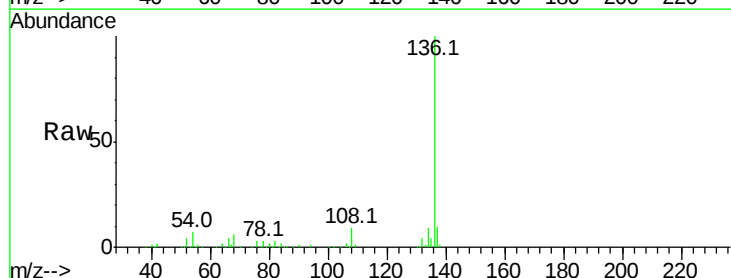
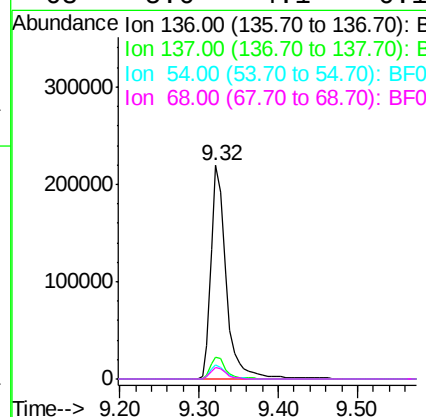
RT: 9.32 min Scan# 1332

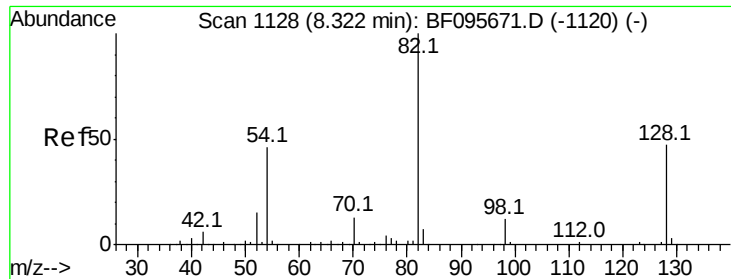
Delta R.T. -0.01 min

Lab File: BF096047.D

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Tgt Ion:	136	Resp:	296174
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.7	4.9	7.3
68	5.6	4.1	6.1





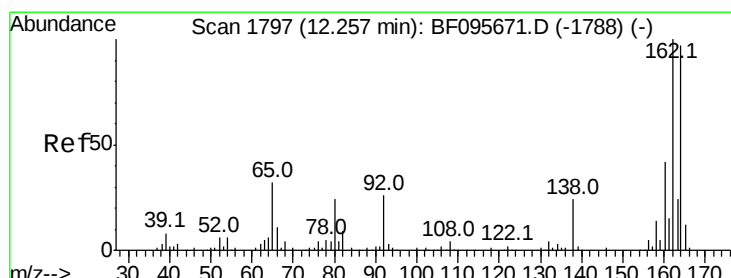
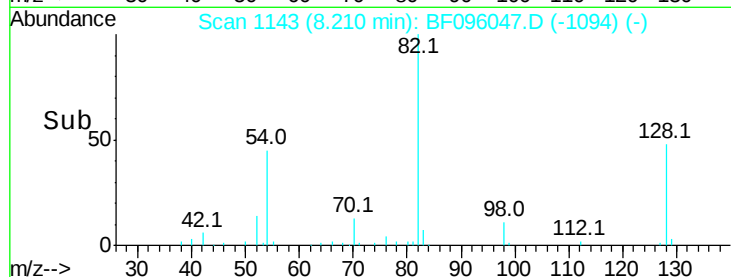
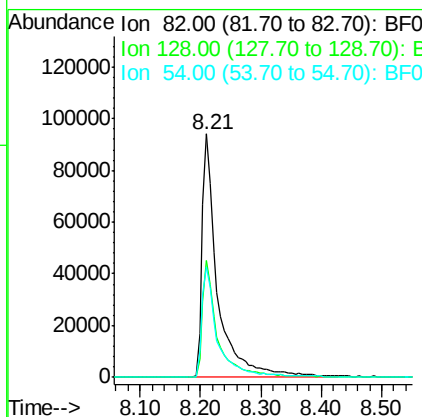
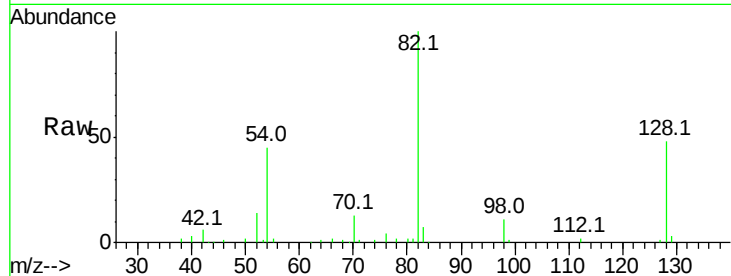
#23
 Nitrobenzene-d5
 Concen: 35.62 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.0	51.0
54	45.4	42.2	63.2

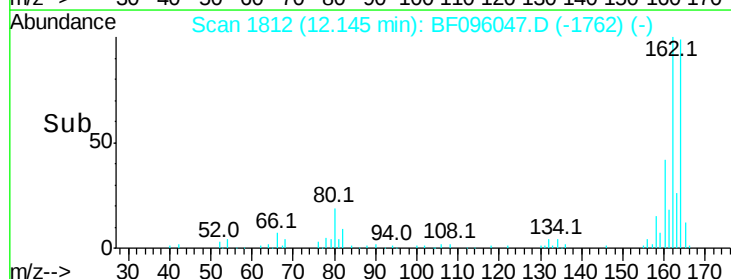
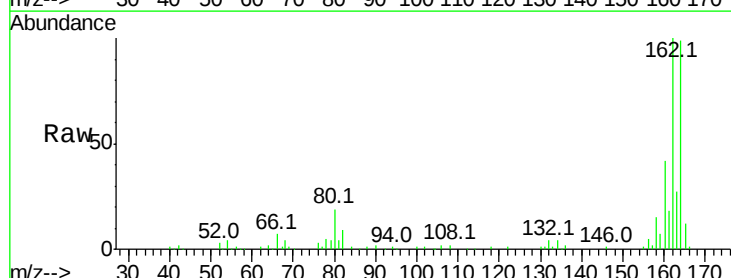
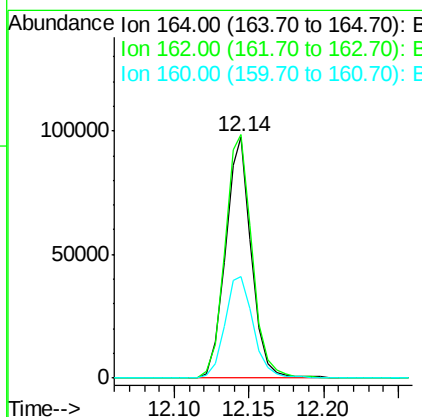
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	123.8
160	42.1	36.2	54.2





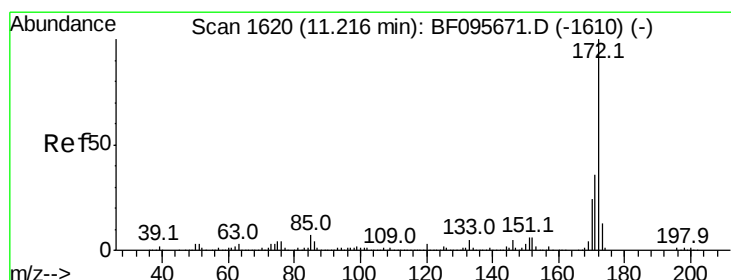
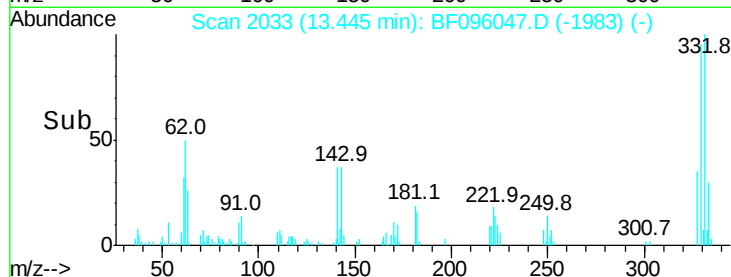
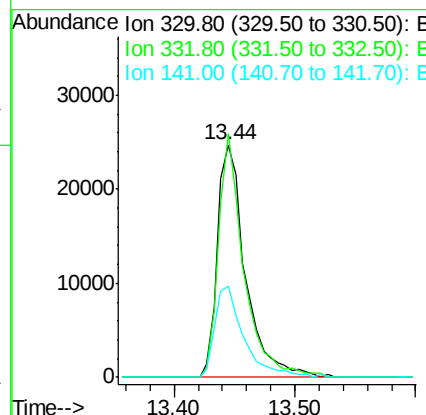
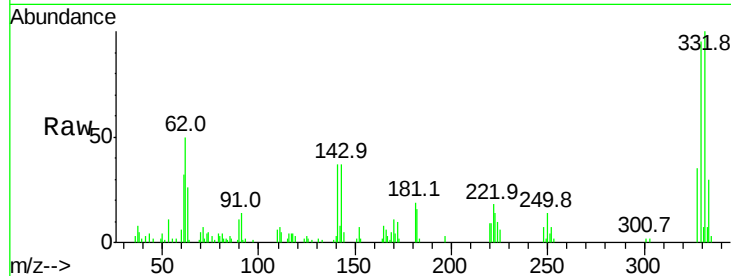
#41
 2,4,6-Tribromophenol
 Concen: 37.74 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	40.7	31.4	47.2

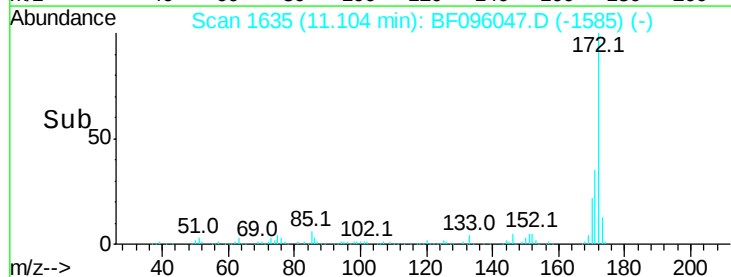
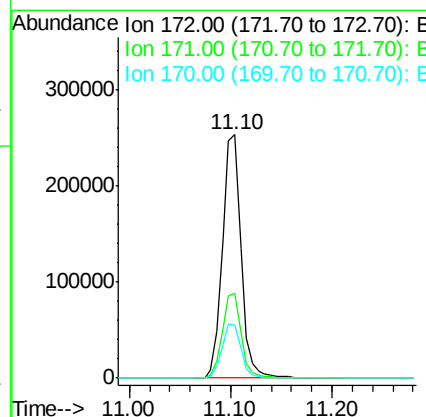
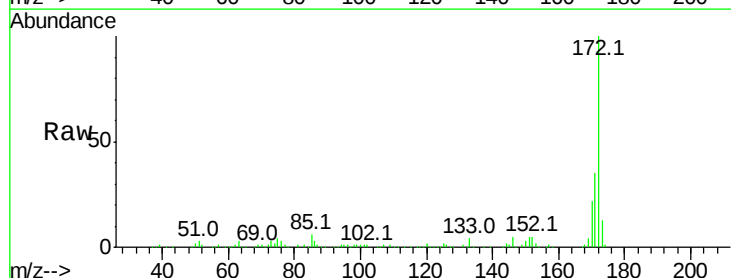
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#44
 2-Fluorobiphenyl
 Concen: 38.03 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	21.8	19.8	29.8





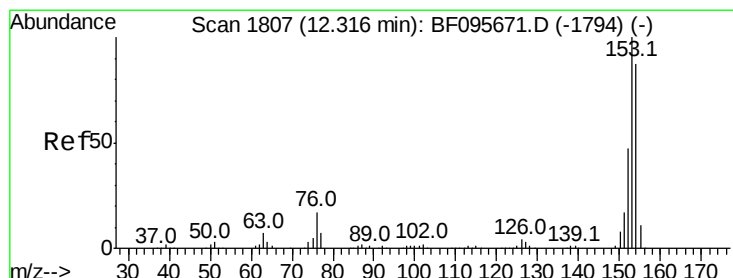
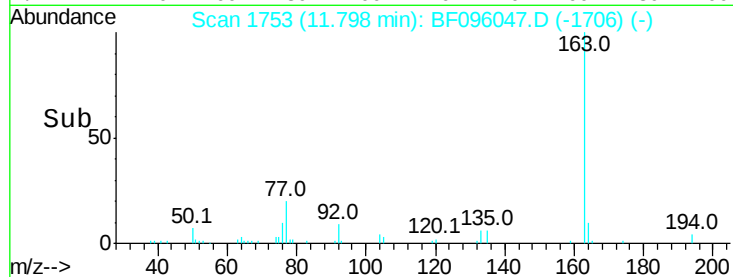
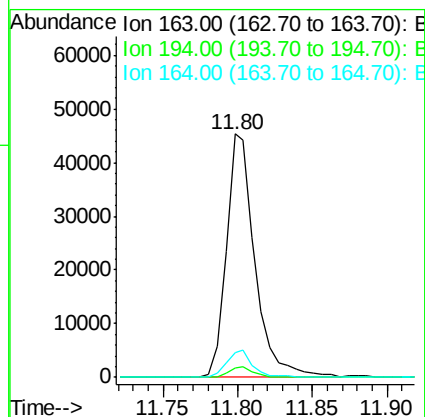
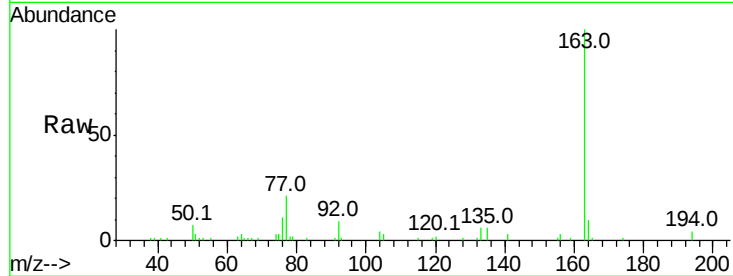
#49
Dimethylphthalate
Concen: 6.77 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.3	8.4	12.6

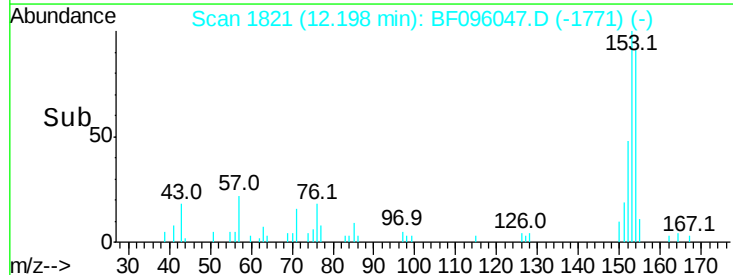
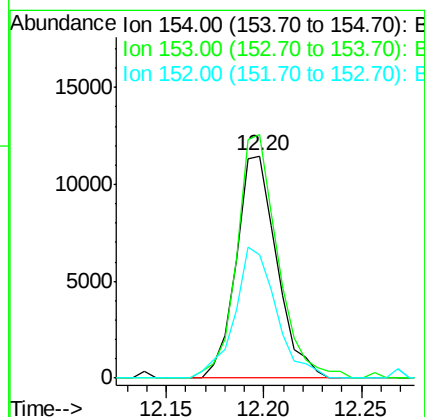
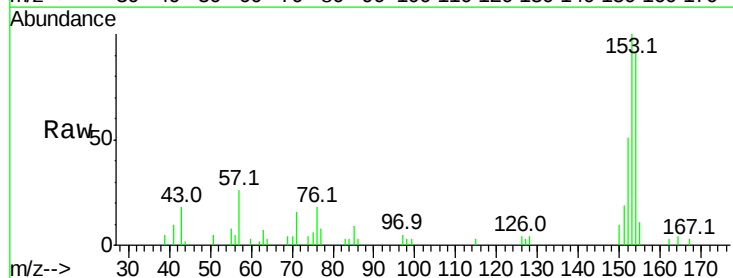
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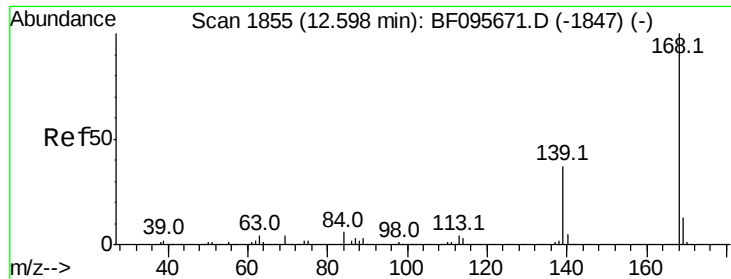
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#51
Acenaphthene
Concen: 2.19 ng
RT: 12.20 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.7	90.5	135.7
152	55.4	43.6	65.4





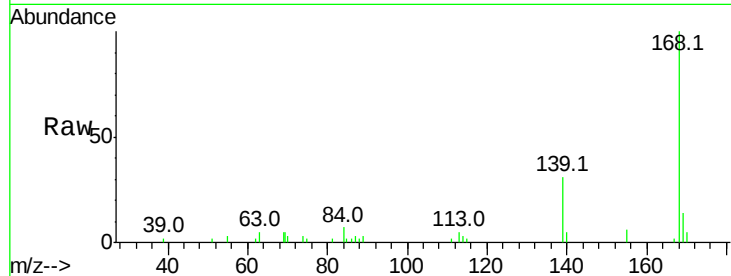
#54
Dibenzenofuran
Concen: 2.35 ng
RT: 12.49 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

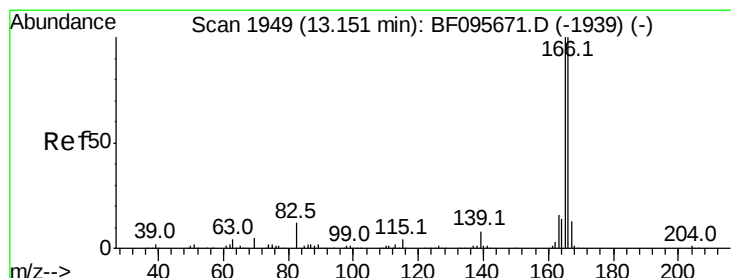
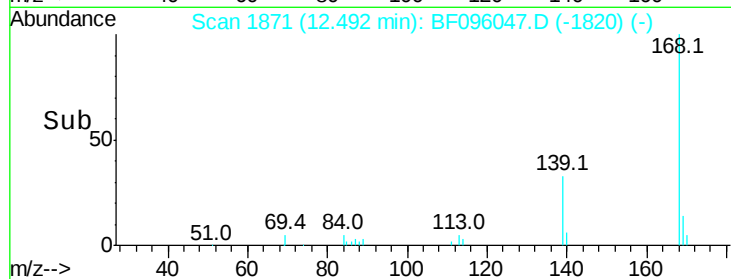
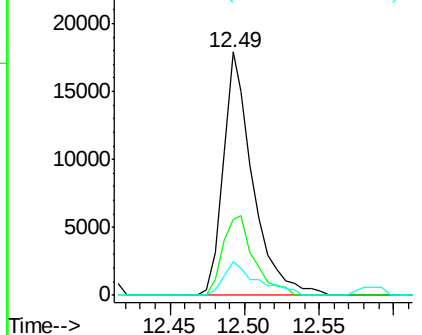
Tot Ion	Ratio	Resp	Lower	Upper
168	100	24925		
139	31.4		30.6	45.8
169	13.8		10.8	16.2

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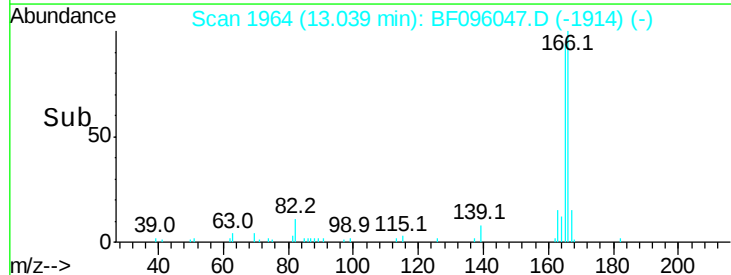
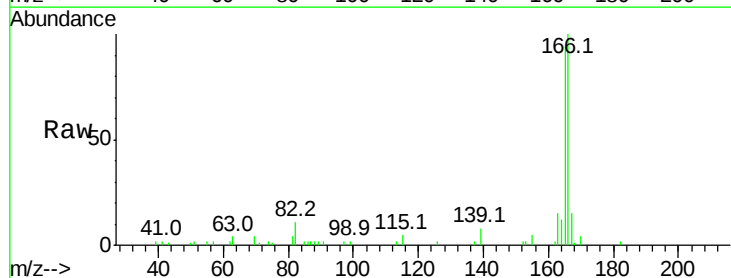
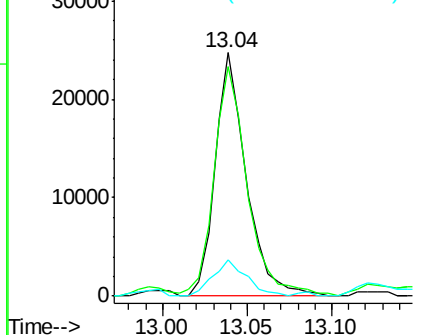
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Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

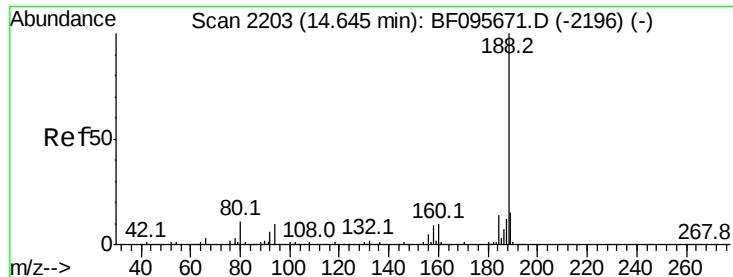


#57
Fluorene
Concen: 3.44 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31781		
165	94.0		78.8	118.2
167	14.7		10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





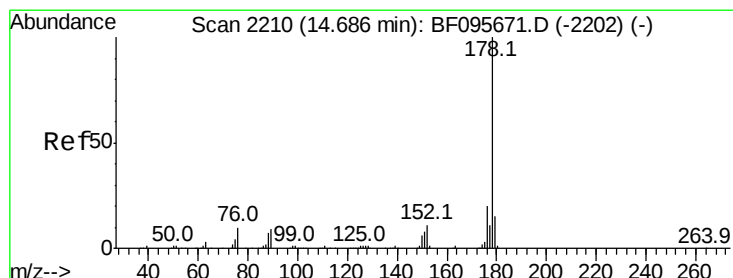
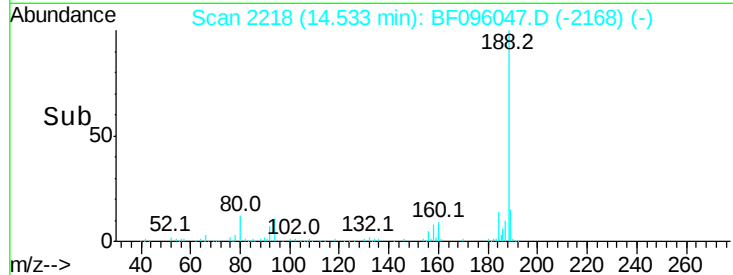
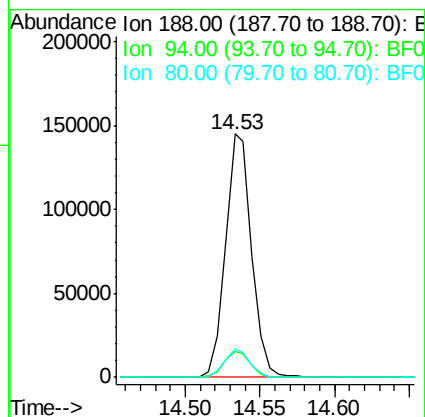
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	178345		
94	10.5		9.4	14.2
80	11.6		10.2	15.2

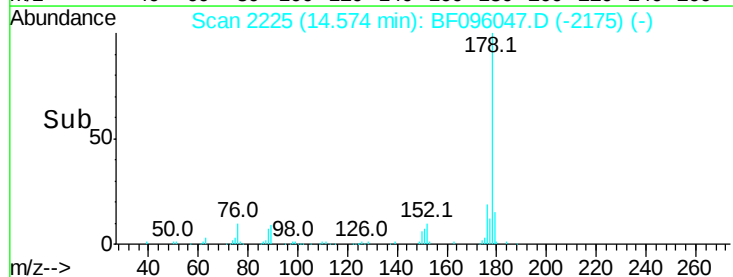
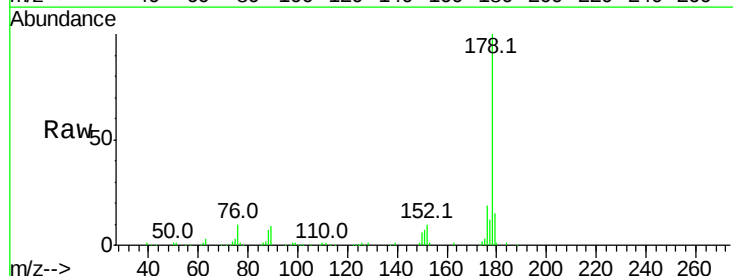
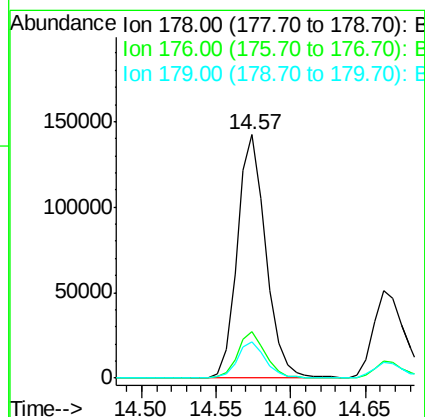
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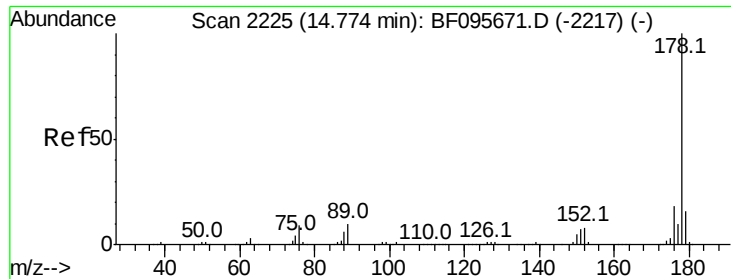
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#70
Phenanthrene
Concen: 18.39 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	189251		
176	18.8		16.2	24.4
179	14.7		12.6	19.0





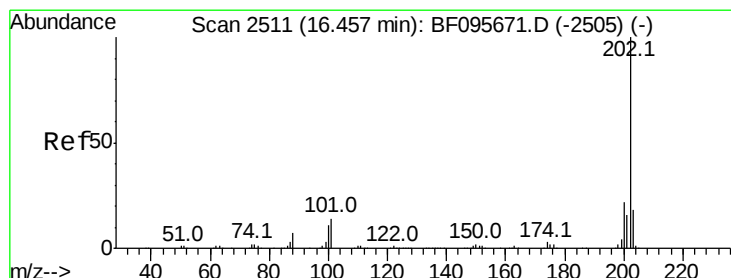
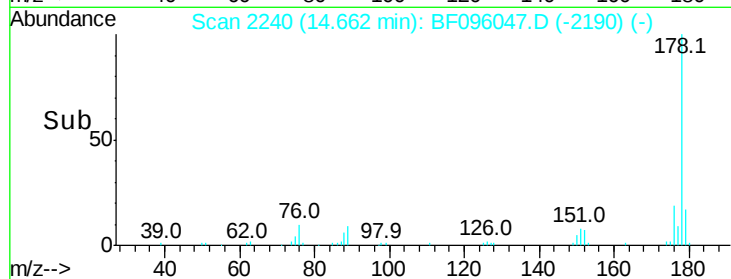
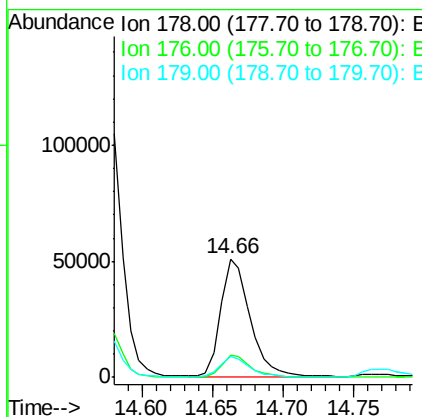
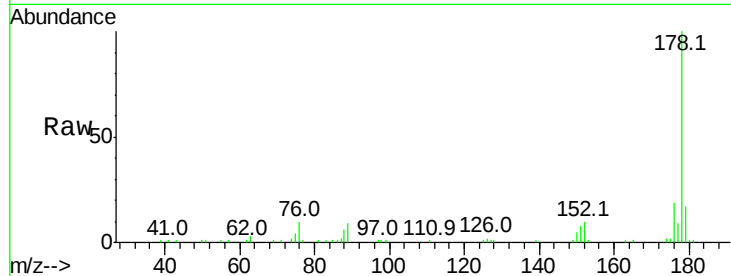
#71
 Anthracene
 Concen: 6.86 ng
 RT: 14.66 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	17.5	12.7	19.1

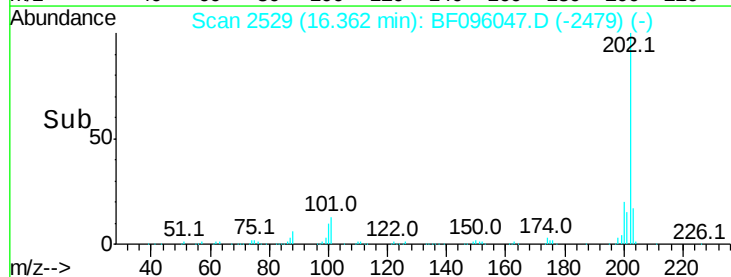
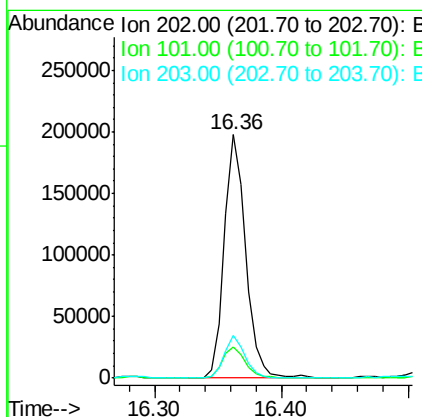
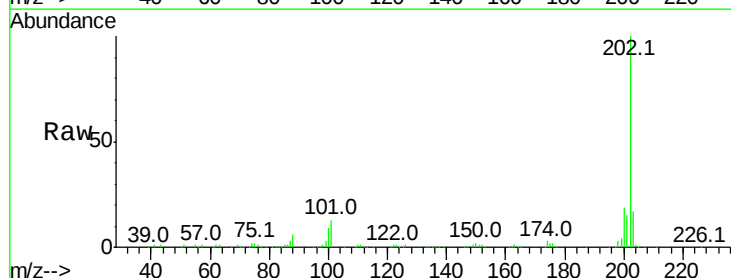
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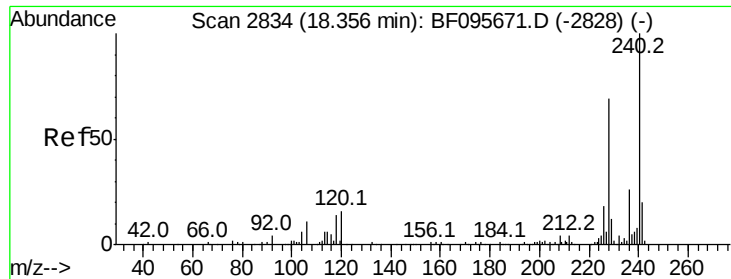
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#74
 Fluoranthene
 Concen: 22.82 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096047.D

Acq: 20 Jun 2017 16:26

Instrument :

BNA_F

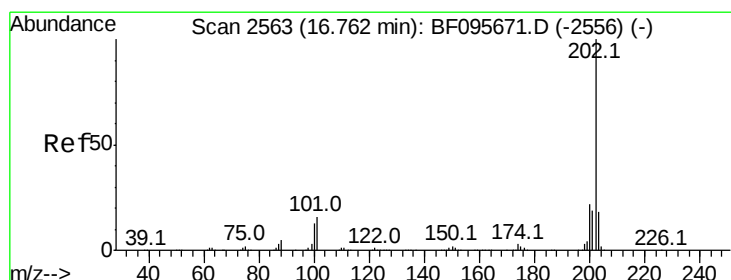
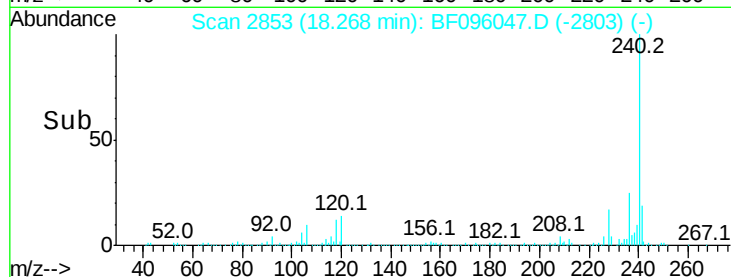
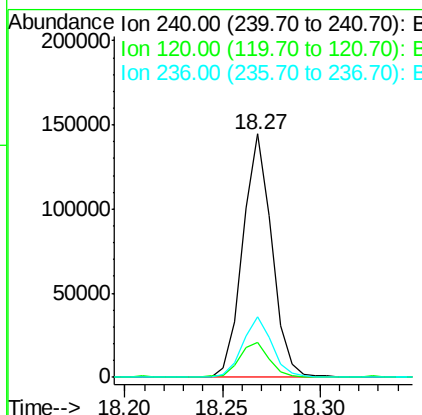
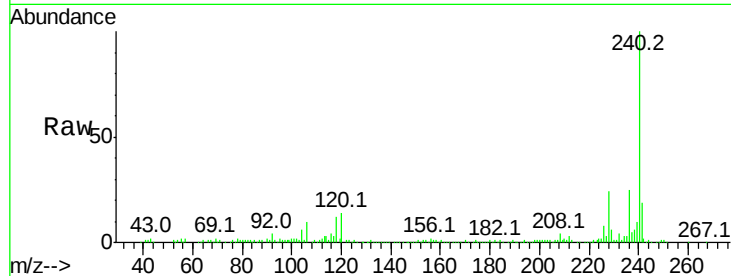
ClientSampleId :

PL-01-061417-B

Tot Ion:	240	Resp:	149230
Ion Ratio	Lower	Upper	
240	100		
120	14.3	5.8	8.8#
236	24.9	20.5	30.7

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#77

Pyrene

Concen: 18.83 ng

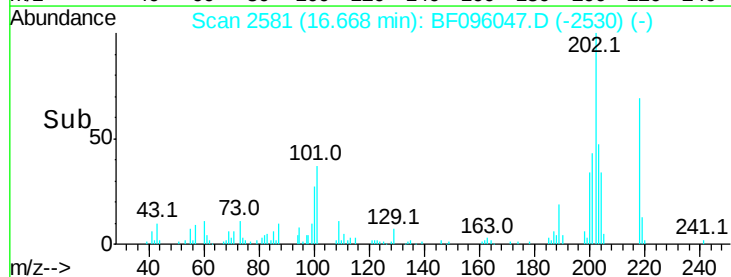
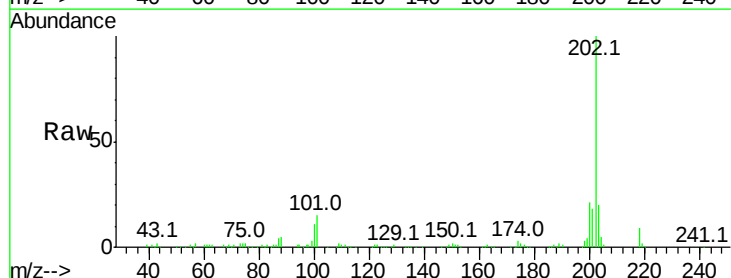
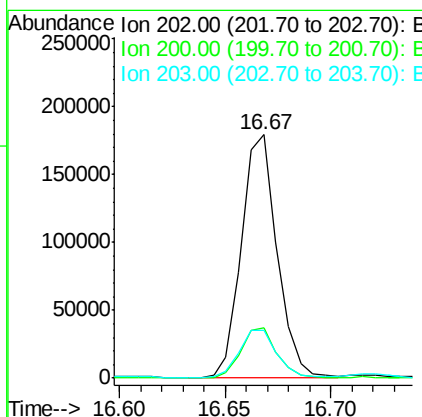
RT: 16.67 min Scan# 2581

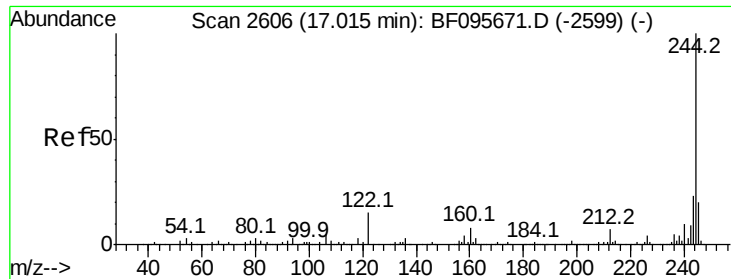
Delta R.T. 0.00 min

Lab File: BF096047.D

Acq: 20 Jun 2017 16:26

Tgt Ion:	202	Resp:	209701
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	19.7	14.4	21.6





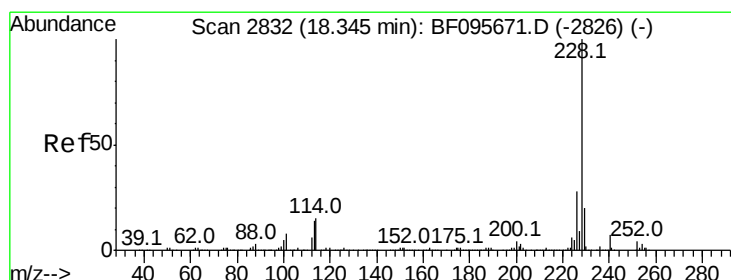
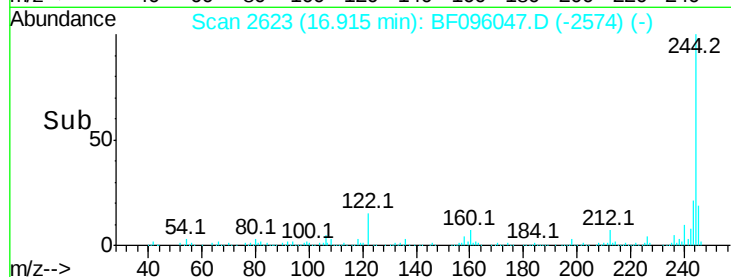
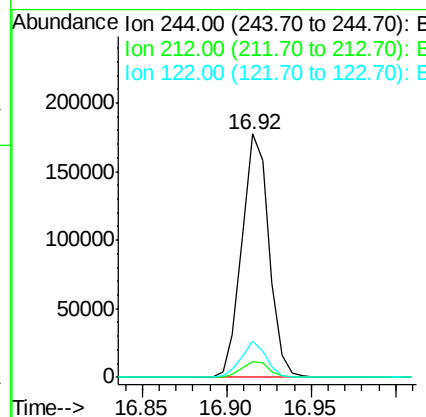
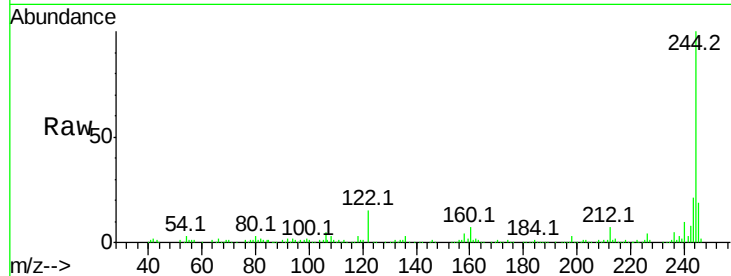
#78
 Terphenyl-d14
 Concen: 33.01 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.0	10.3	15.5

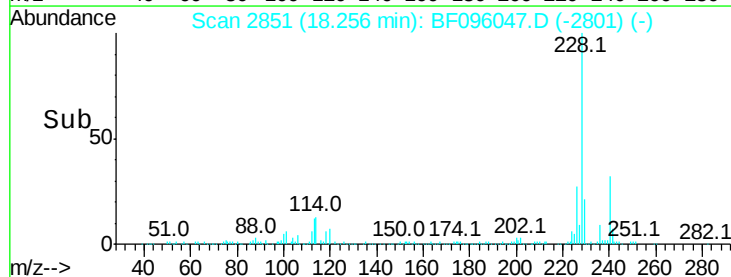
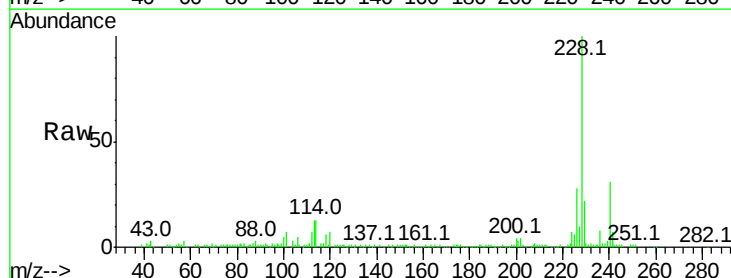
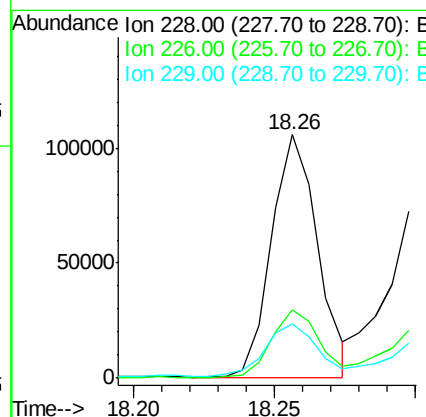
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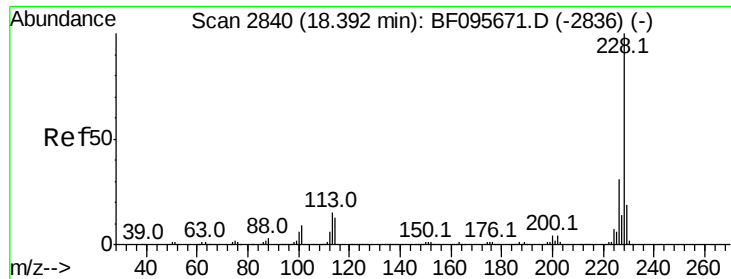
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#80
 Benzo(a)anthracene
 Concen: 13.79 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096047.D
 Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	22.1	16.3	24.5





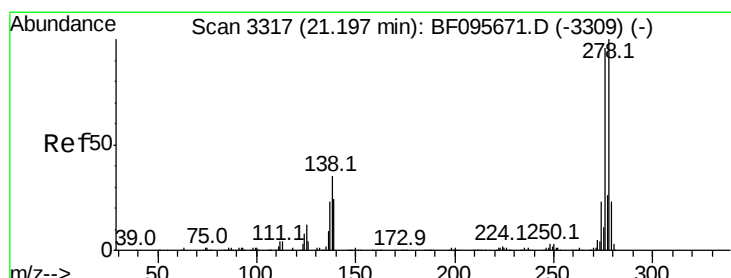
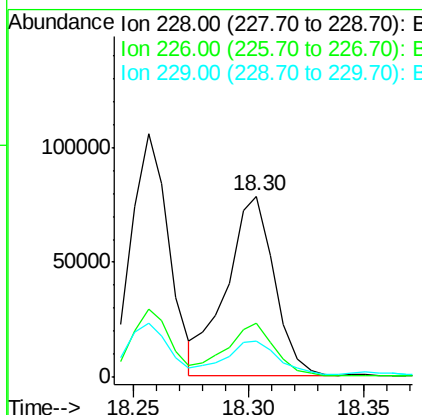
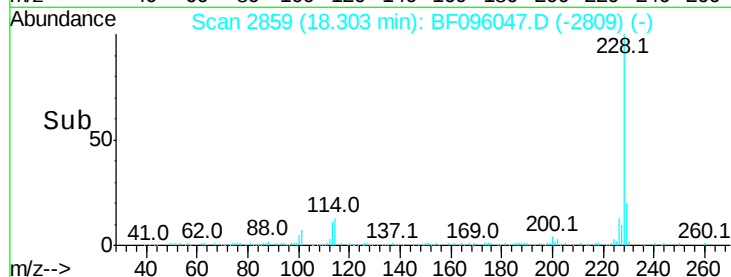
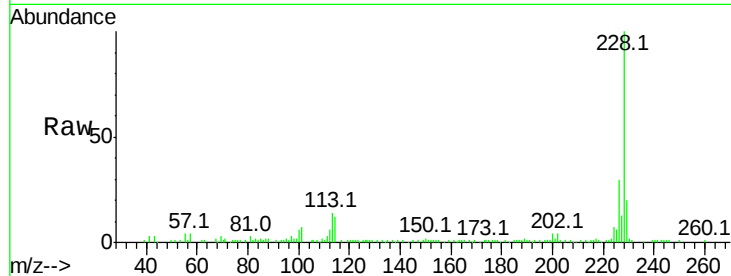
#82
Chrysene
Concen: 12.98 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.1	15.8	23.6

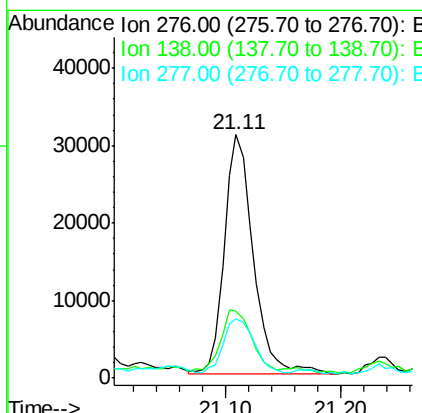
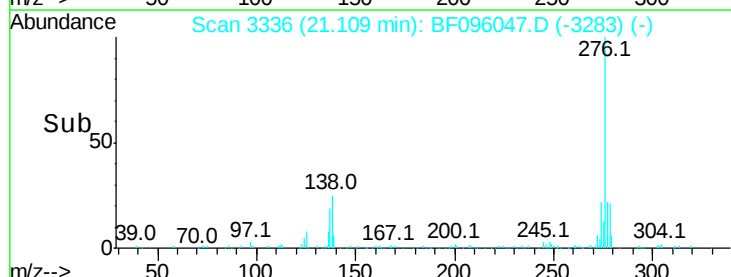
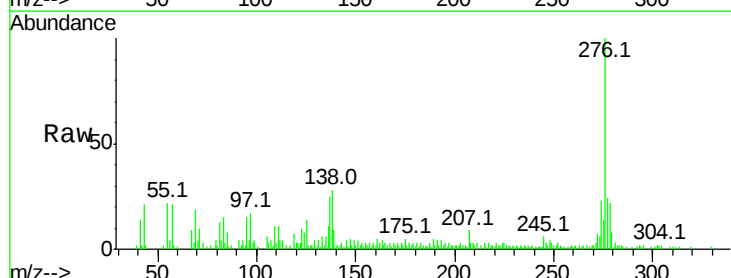
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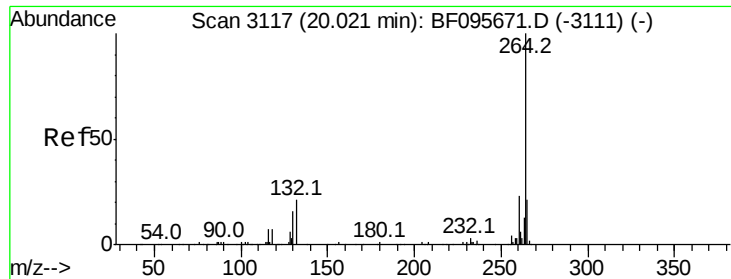
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.25 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.8	41.6#
277	23.6	20.2	30.4





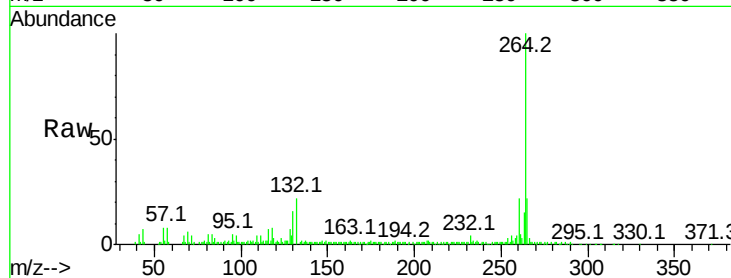
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

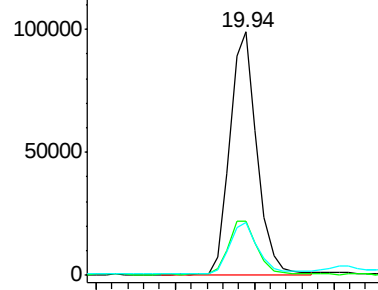
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	21.9	17.2	25.8

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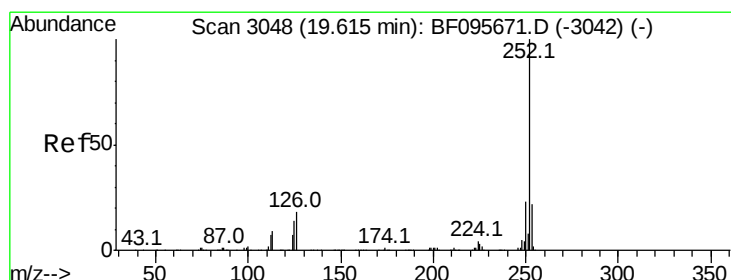
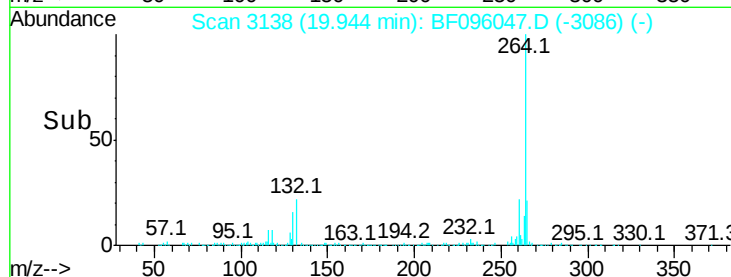
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

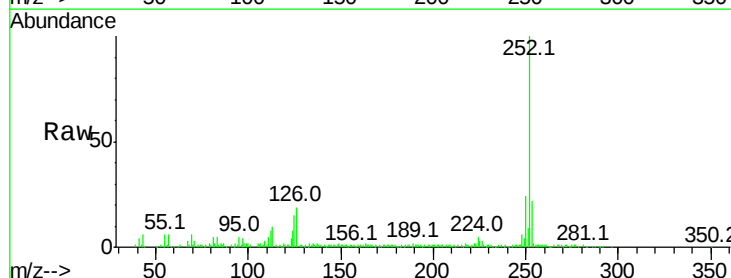


Time--> 19.85 19.90 19.95 20.00

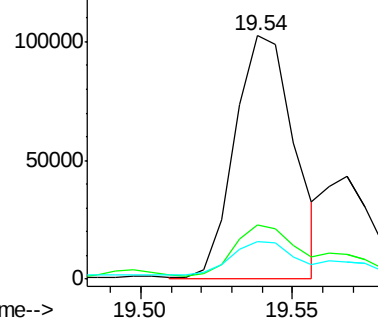


#87
Benzo(b)fluoranthene
Concen: 19.01 ng m
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

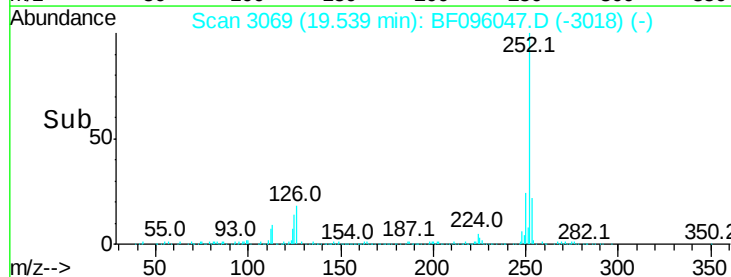
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.5	9.8	14.8

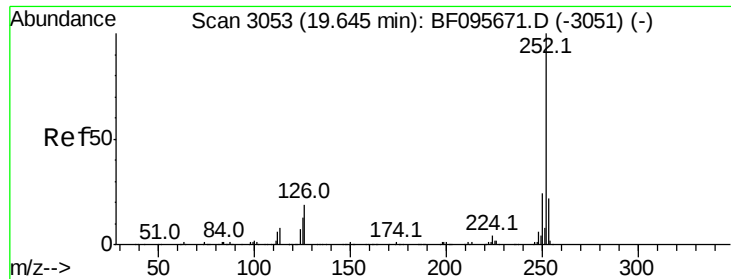


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 19.50 19.55





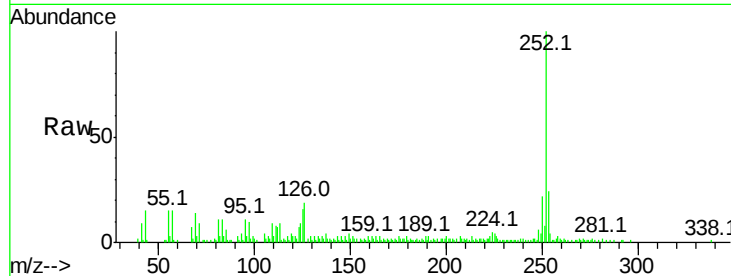
#88
Benzo(k)fluoranthene
Concen: 7.08 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

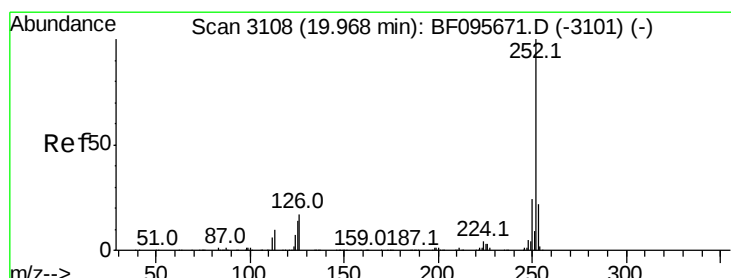
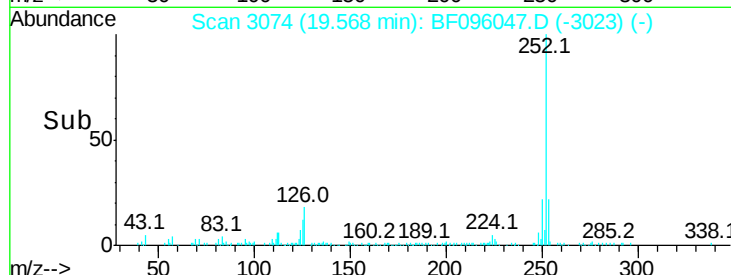
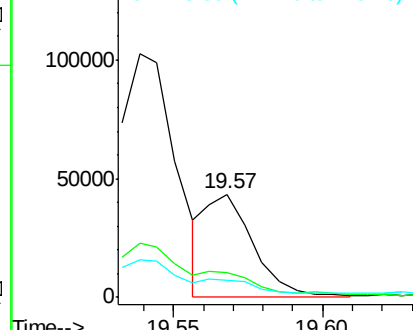
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	16.3	13.1	19.7

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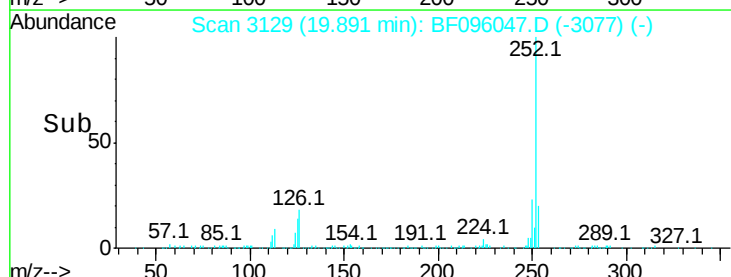
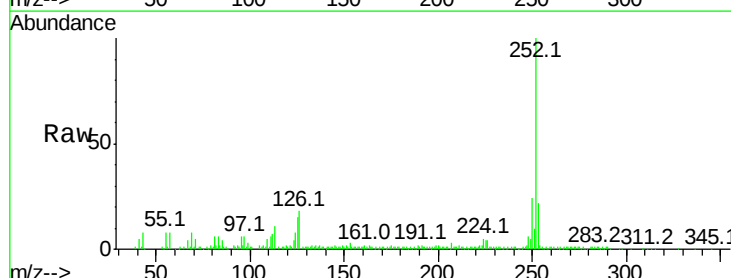
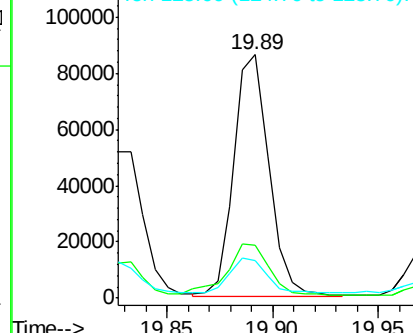
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

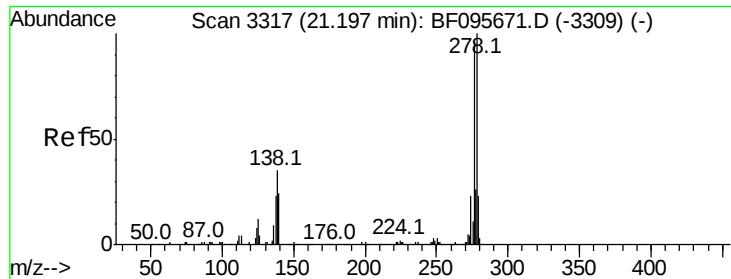


#89
Benzo(a)pyrene
Concen: 14.72 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	15.4	11.0	16.4

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





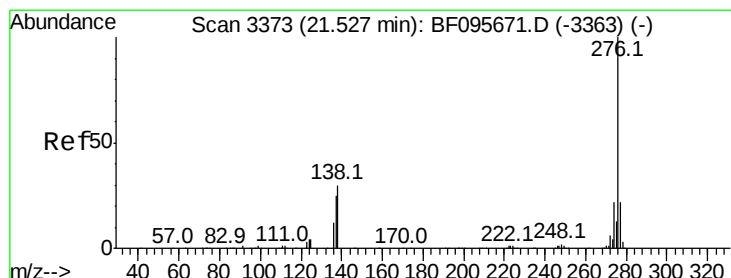
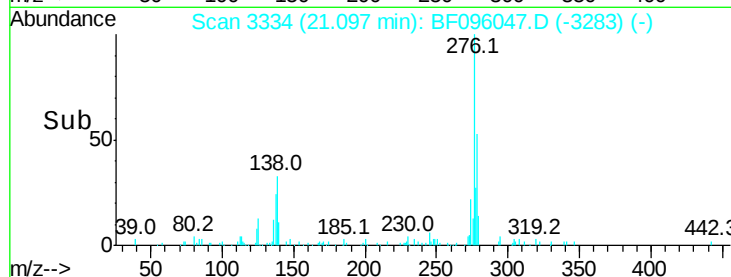
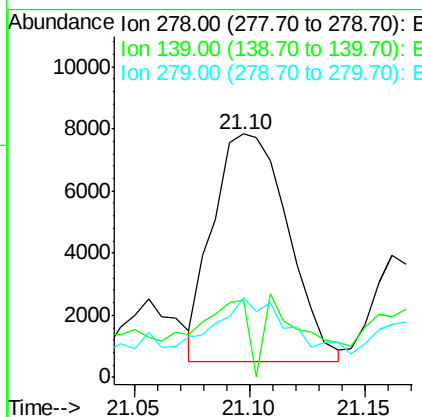
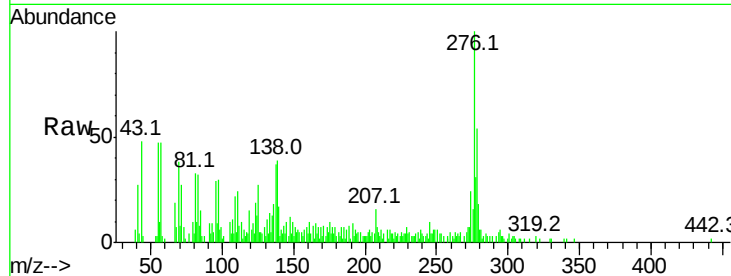
#90
Dibenzo(a,h)anthracene
Concen: 2.90 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.7	16.6	24.8#
279	32.6	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 8.27 ng
RT: 21.44 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BF096047.D
Acq: 20 Jun 2017 16:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	33.7	25.4	38.0

