

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095729.D
 Acq On : 7 Jun 2017 1:52
 Operator : SJ/MA
 Sample : I3478-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 159-COMP

Manual Integrations
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Quant Time: Jun 07 04:30:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	78652	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	297317	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	116084	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	174527	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	147834	20.00	ng	-0.01
86) Perylene-d12	20.01	264	104097	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	608771	123.33	ng	0.00
7) Phenol-d6	6.95	99	712041	120.50	ng	-0.01
23) Nitrobenzene-d5	8.30	82	395501	82.61	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	109310	106.43	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	737580	88.42	ng	-0.02
78) Terphenyl-d14	17.00	244	473984	79.57	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.89	163	74553	8.459	ng	99
70) Phenanthrene	14.67	178	37021	3.676	ng	97
74) Fluoranthene	16.44	202	143113	14.359	ng	97
77) Pyrene	16.74	202	124057	11.247	ng	95
80) Benzo(a)anthracene	18.33	228	54124	6.297	ng	97
82) Chrysene	18.37	228	52889	6.157	ng	99
85) Indeno(1,2,3-cd)pyrene	21.20	276	21317	2.901	ng	95
87) Benzo(b)fluoranthene	19.61	252	53680m	8.235	ng	
88) Benzo(k)fluoranthene	19.64	252	18961m	3.043	ng	
89) Benzo(a)pyrene	19.96	252	34443	5.749	ng	# 91
91) Benzo(g,h,i)perylene	21.53	276	18987	3.665	ng	# 82

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

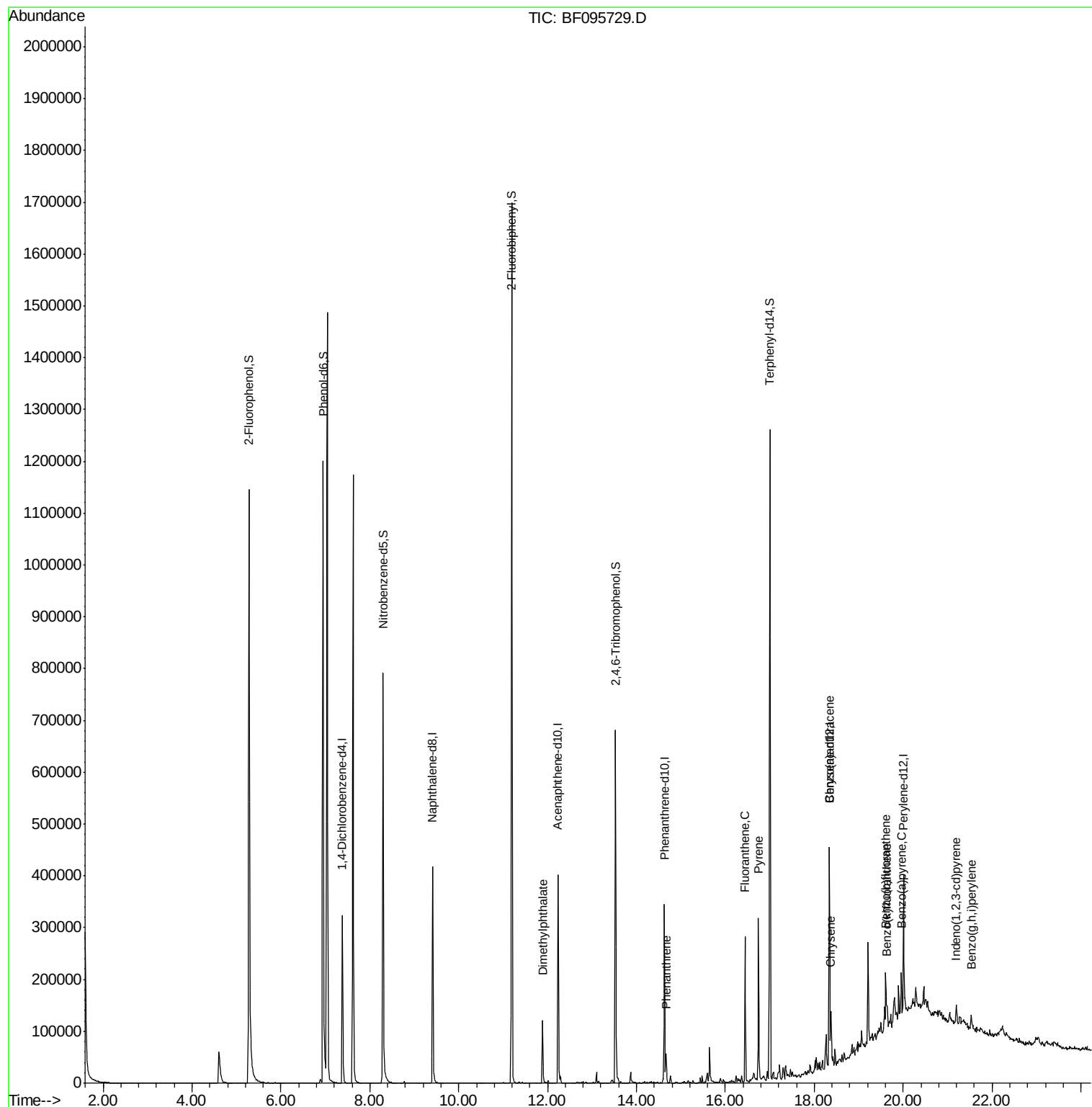
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095729.D
Acq On : 7 Jun 2017 1:52
Operator : SJ/MA
Sample : I3478-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

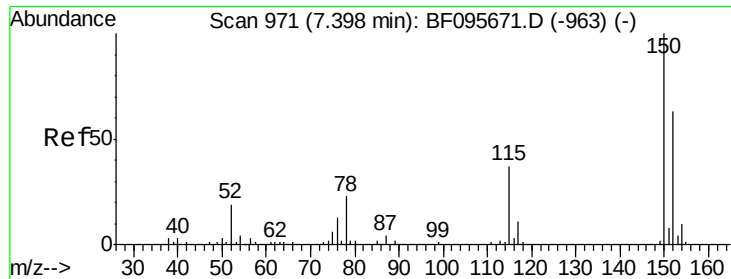
Instrument :
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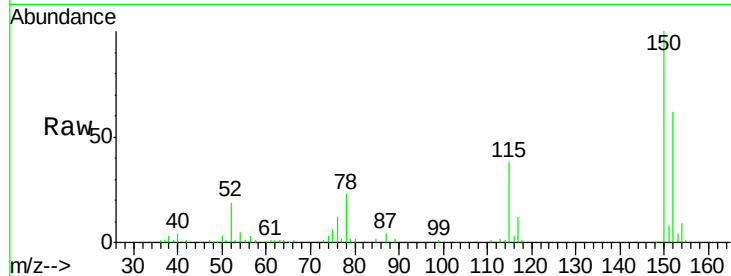
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 159-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.2	189.2
115	61.9	52.2	78.2

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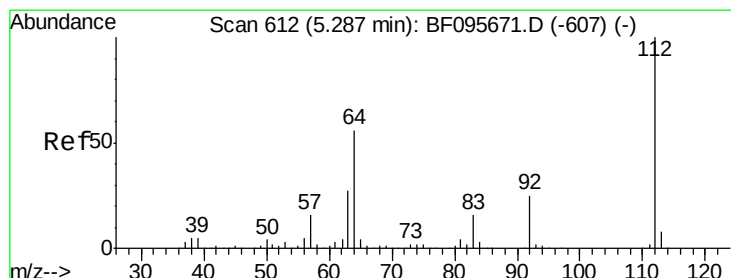
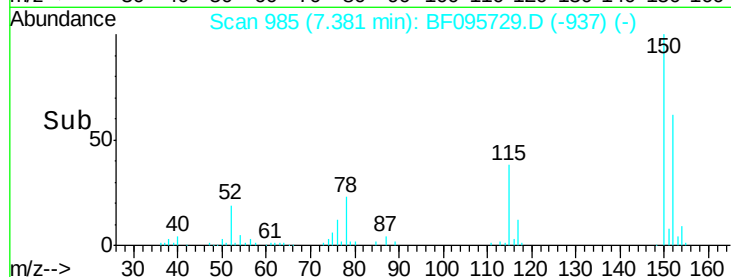
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

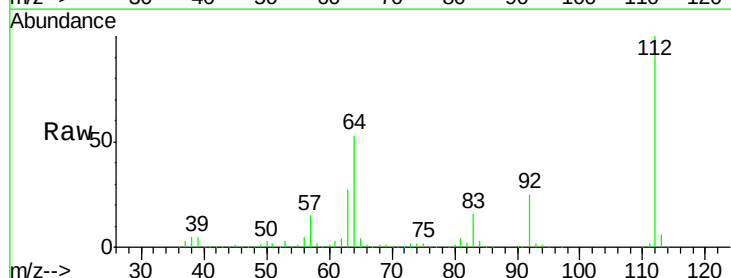
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 123.334 ng
 RT: 5.28 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.0	69.0
63	26.9	23.4	35.0



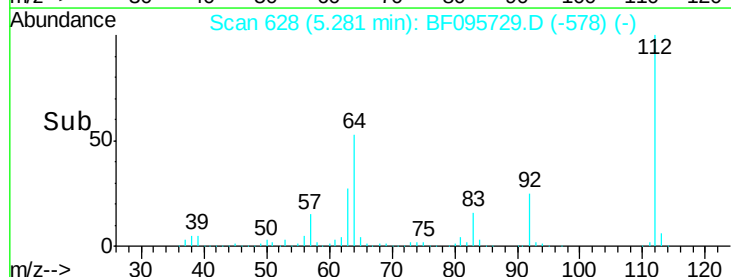
Abundance

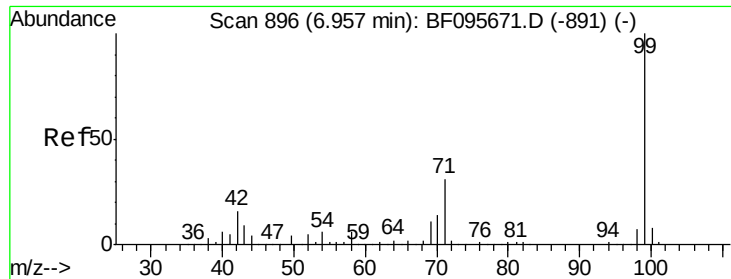
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 120.498 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

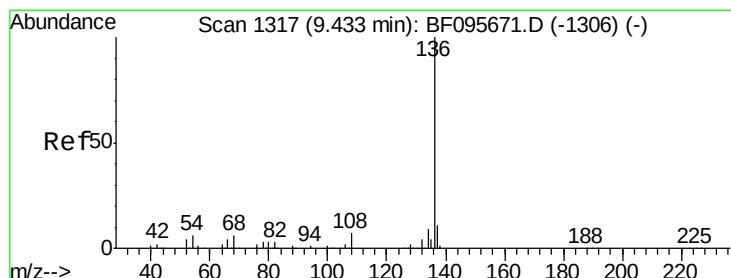
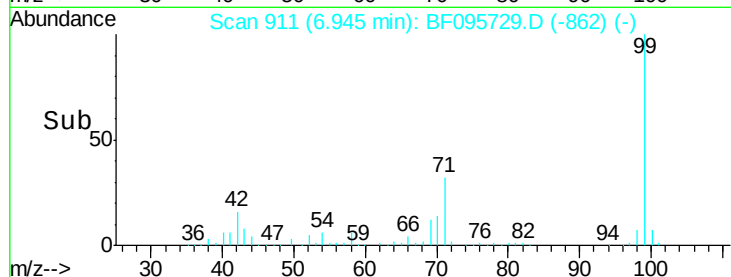
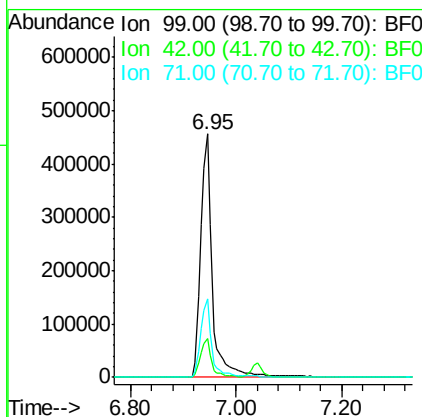
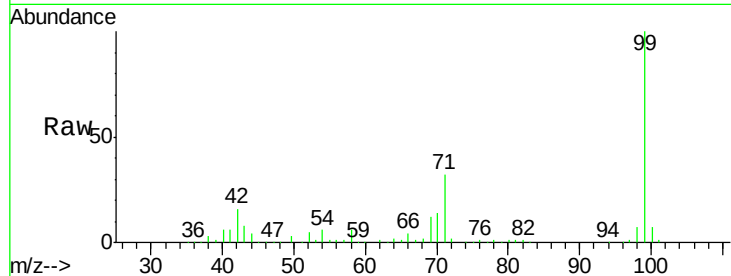
ClientSampleId :

159-COMP

Tgt Ion:	99	Resp:	712041
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	32.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

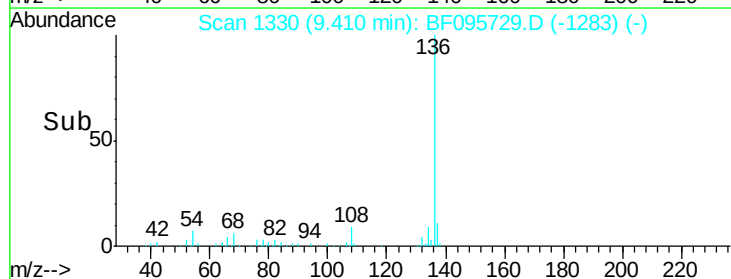
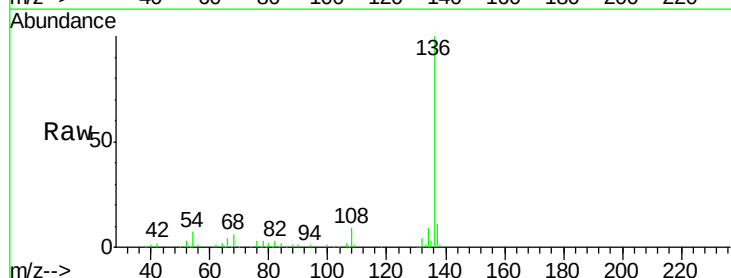
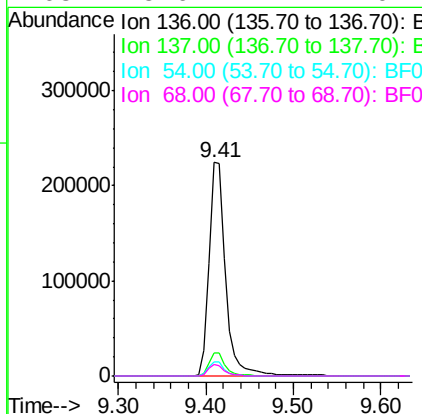
RT: 9.41 min Scan# 1330

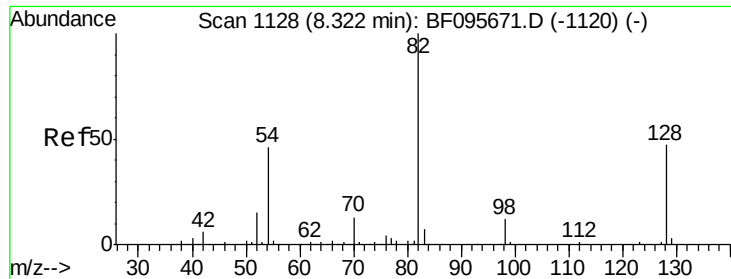
Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Tgt Ion:	136	Resp:	297317
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.7	4.9	7.3
68	5.6	4.1	6.1





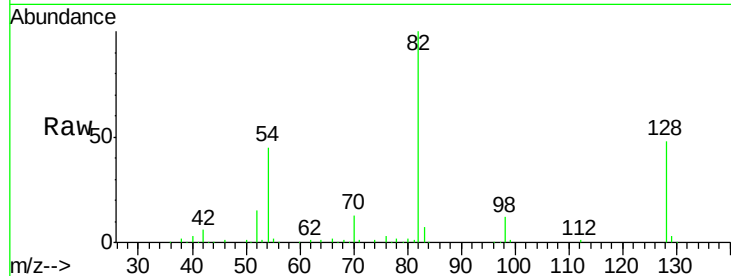
#23
 Nitrobenzene-d5
 Concen: 82.614 ng
 RT: 8.30 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 159-COMP

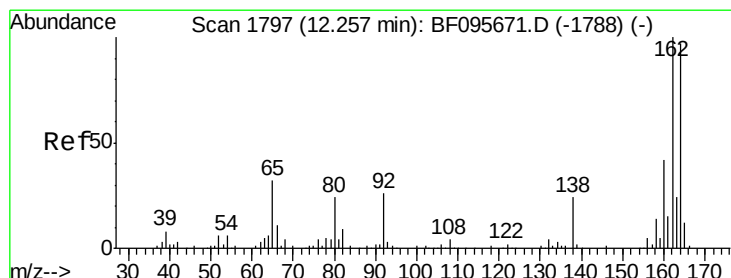
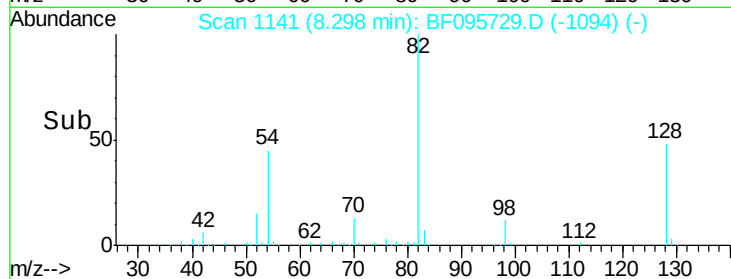
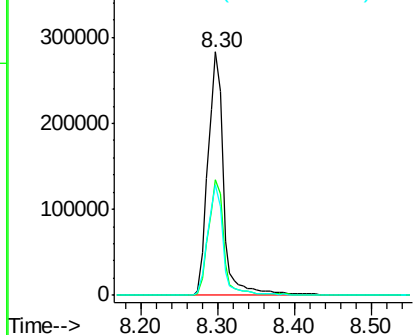
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	395501		
128	47.7	34.0	51.0	
54	45.4	42.2	63.2	

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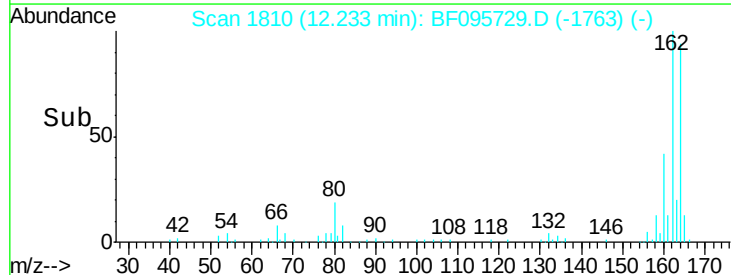
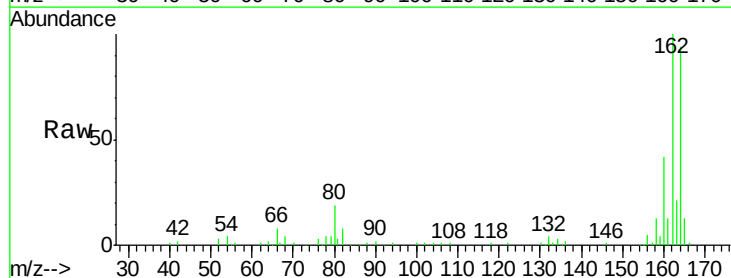
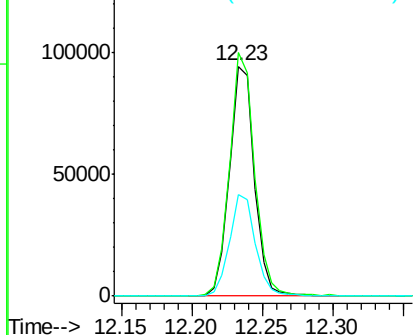
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

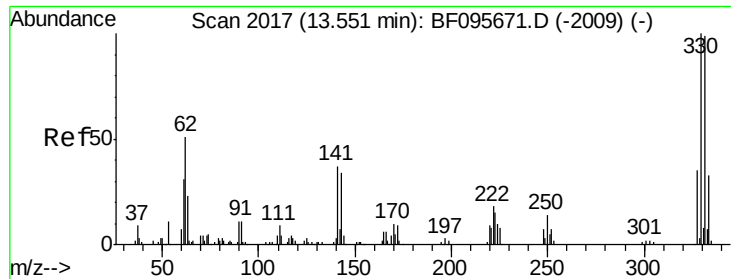


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116084		
162	106.0	82.6	123.8	
160	44.2	36.2	54.2	

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





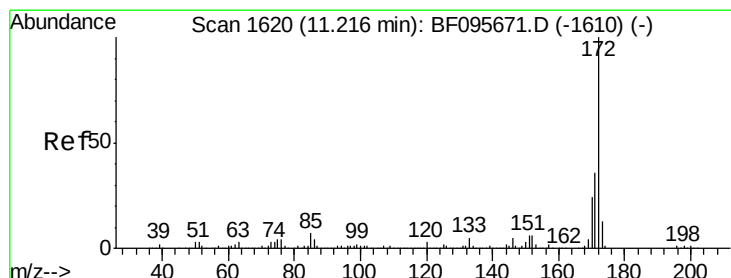
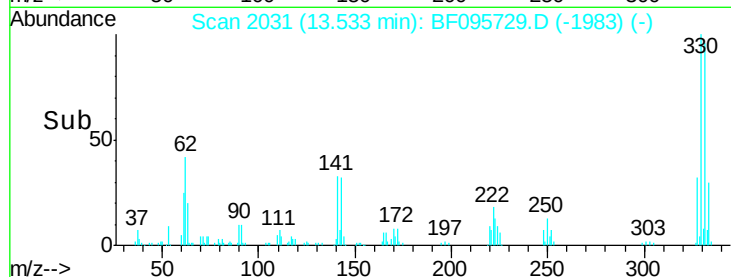
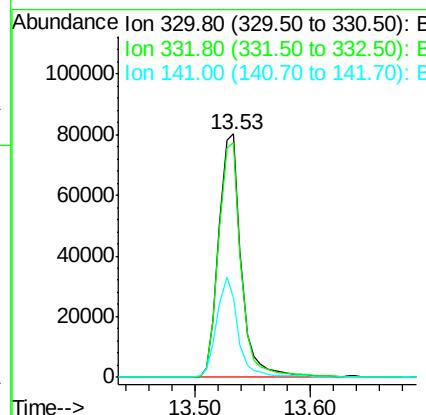
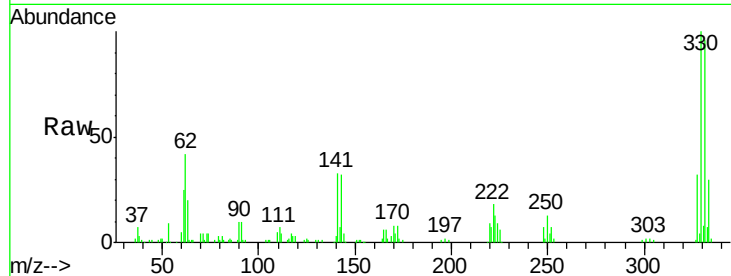
#41
 2,4,6-Tribromophenol
 Concen: 106.429 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampled :
 159-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	109310		
332	96.9	76.6	115.0	
141	38.8	31.4	47.2	

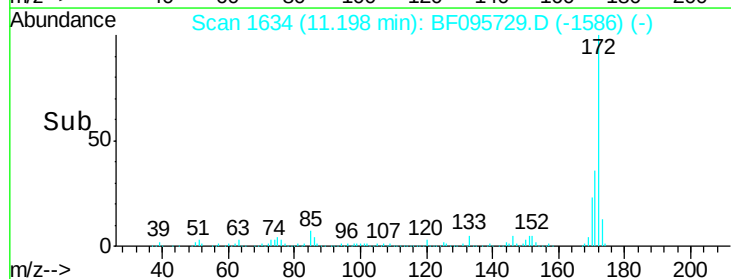
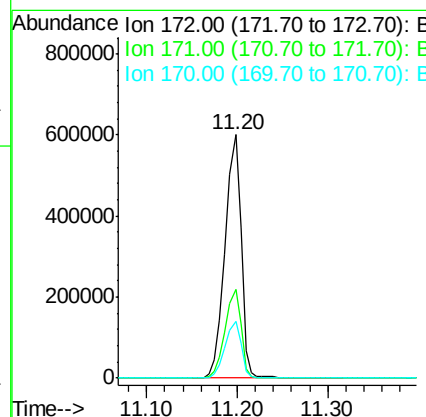
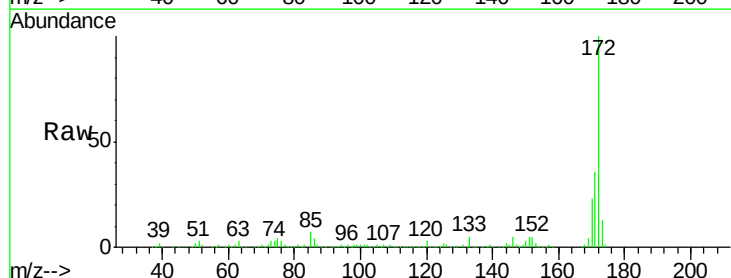
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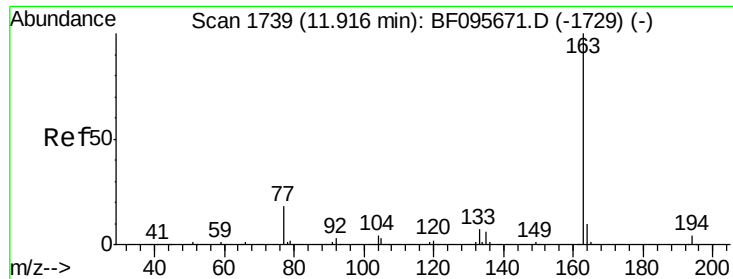
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#44
 2-Fluorobiphenyl
 Concen: 88.419 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	737580		
171	36.4	29.6	44.4	
170	23.5	19.8	29.8	





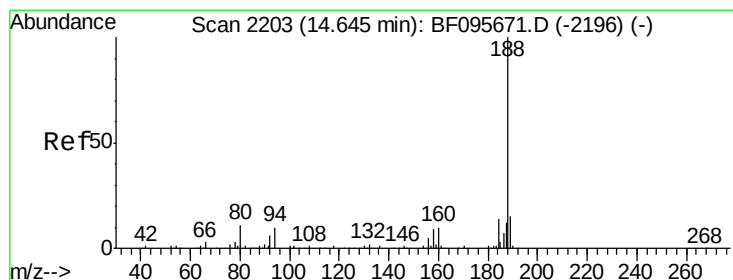
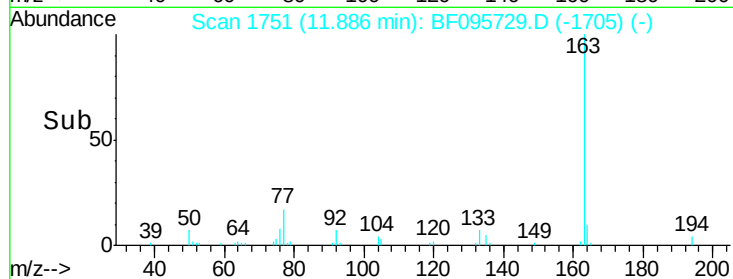
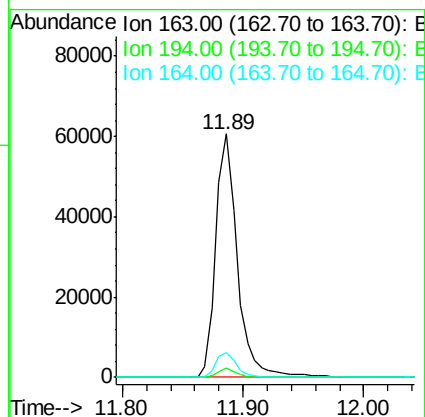
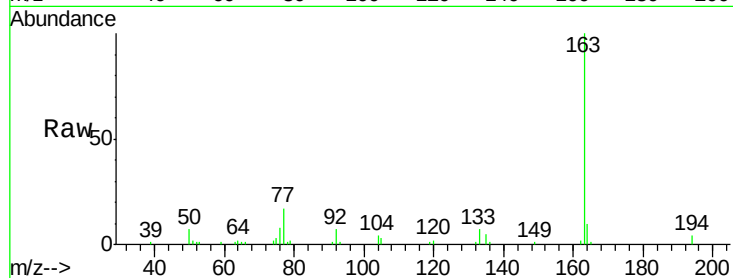
#49
Dimethylphthalate
Concen: 8.459 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Instrument :
BNA_F
ClientSampleId :
159-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	74553		
194	3.6		2.6	4.0
164	10.1		8.4	12.6

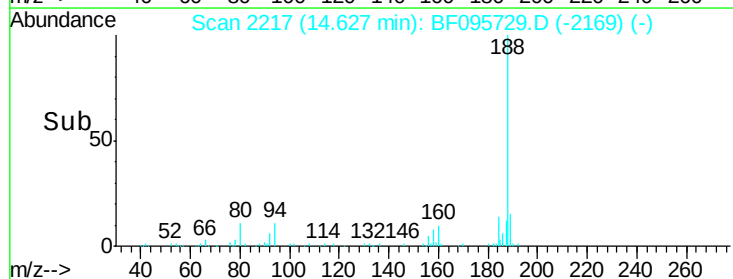
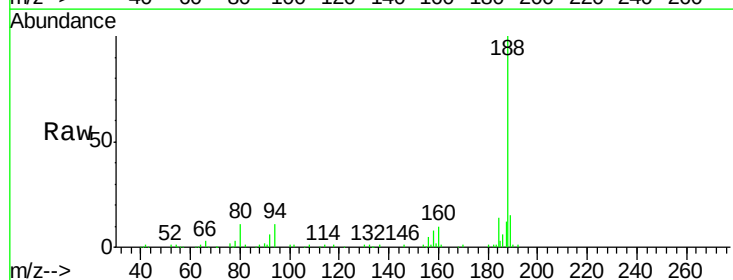
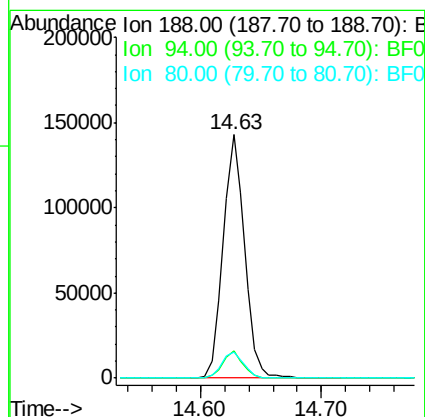
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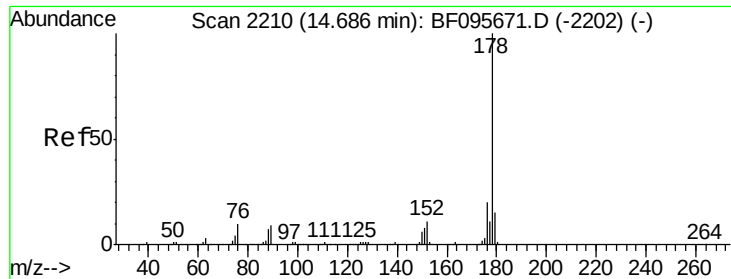
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	174527		
94	11.0		9.4	14.2
80	10.6		10.2	15.2





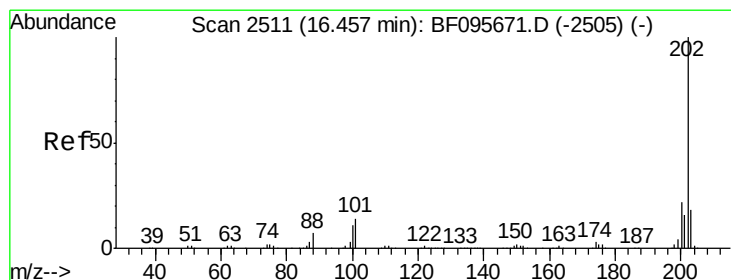
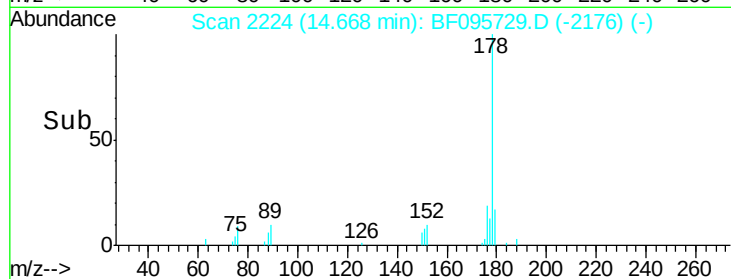
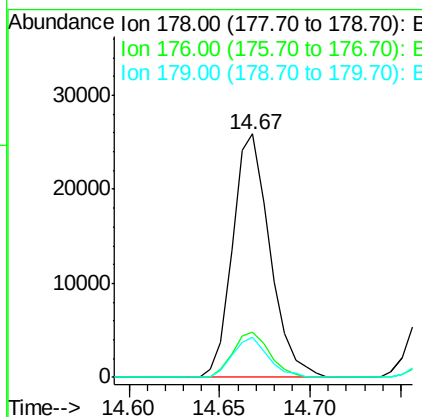
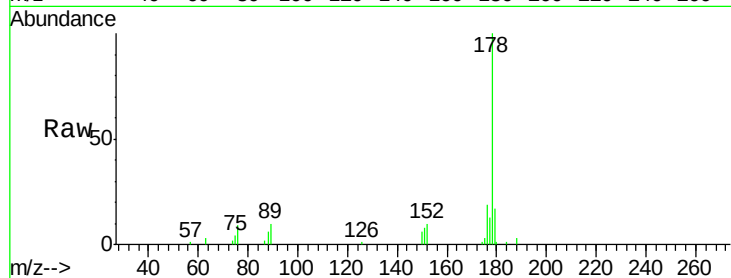
#70
Phenanthrene
Concen: 3.676 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Instrument :
BNA_F
ClientSampleId :
159-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	16.5	12.6	19.0

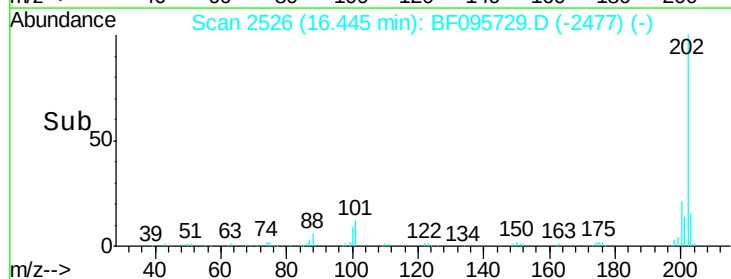
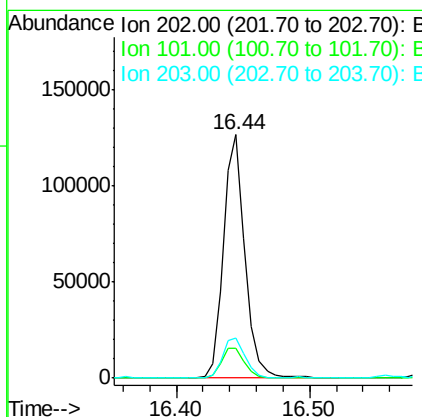
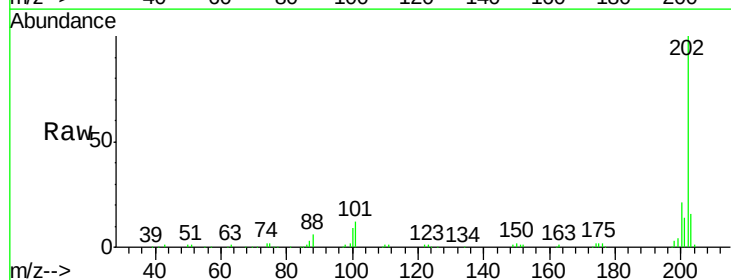
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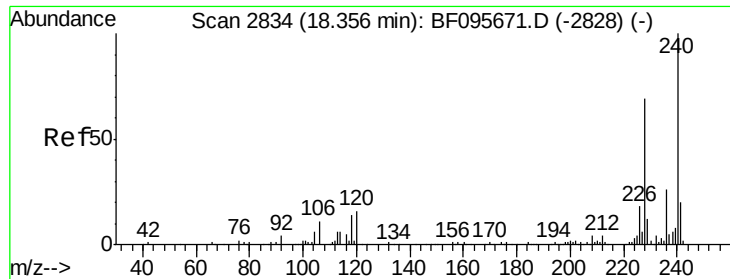
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#74
Fluoranthene
Concen: 14.359 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

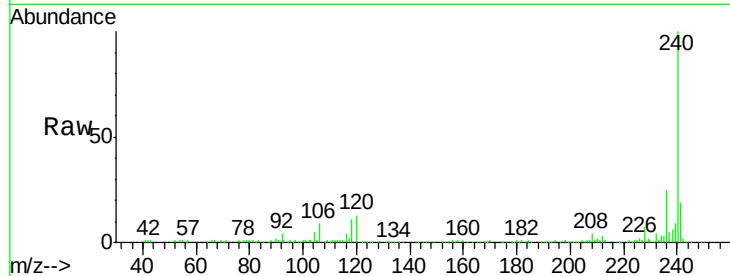
ClientSampleId :

159-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	147834		
120	13.0	5.8	8.8#	
236	25.4	20.5	30.7	

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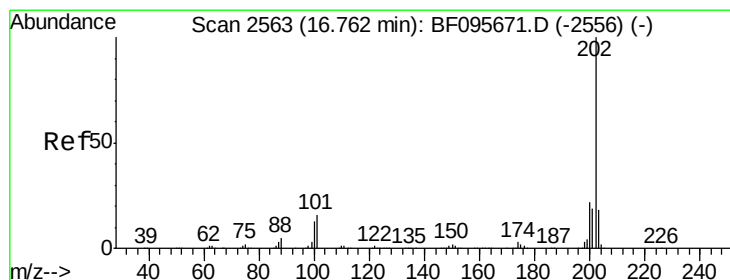
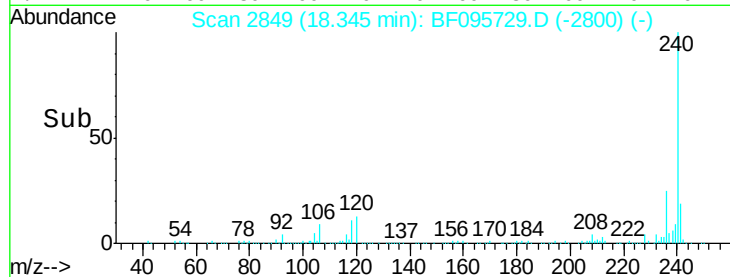
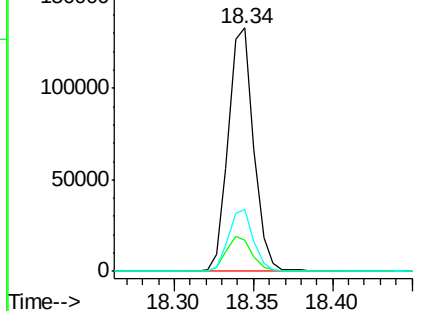
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.247 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095729.D

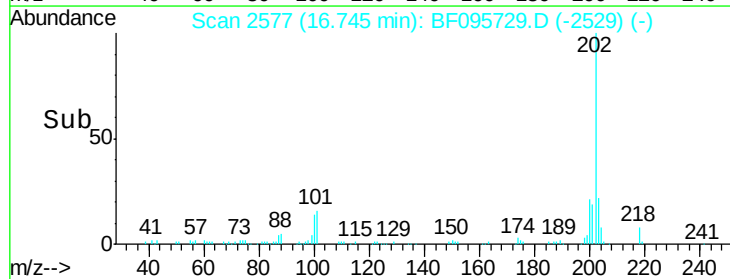
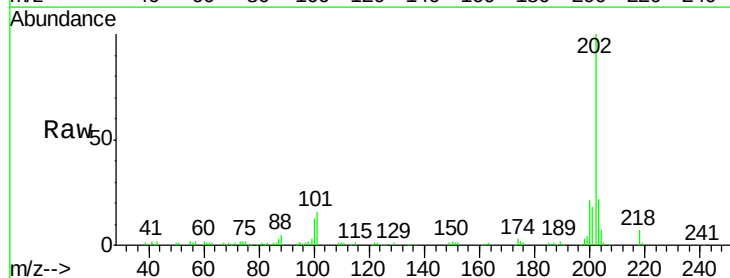
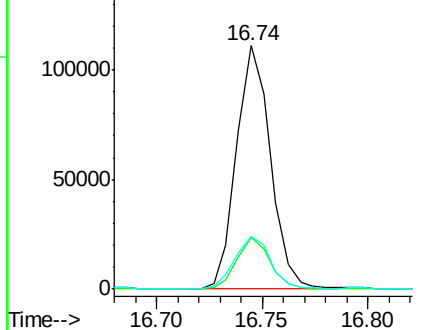
Acq: 7 Jun 2017 1:52

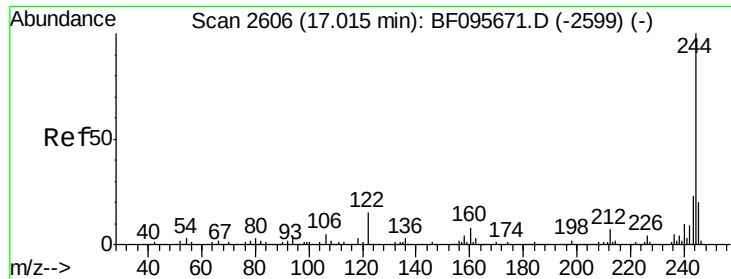
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	124057		
200	21.0	17.6	26.4	
203	21.6	14.4	21.6	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





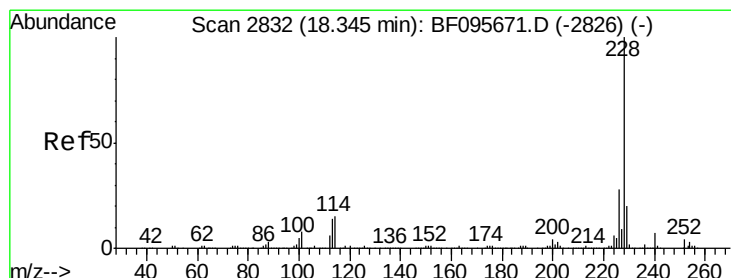
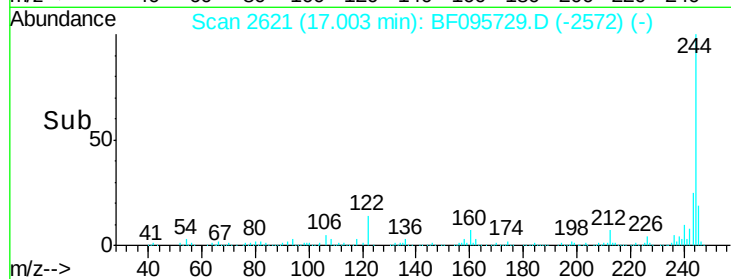
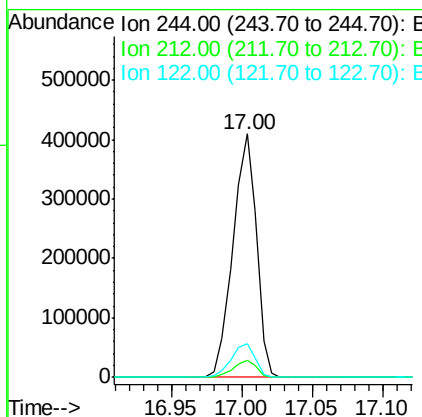
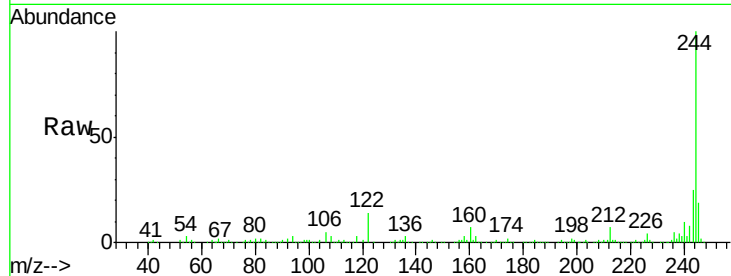
#78
 Terphenyl-d14
 Concen: 79.569 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampled :
 159-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	473984		
212	6.9	6.0	9.0	
122	13.9	10.3	15.5	

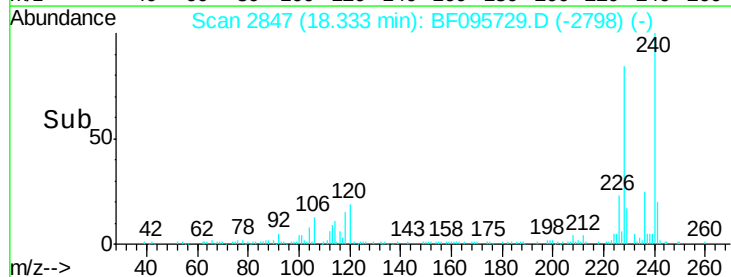
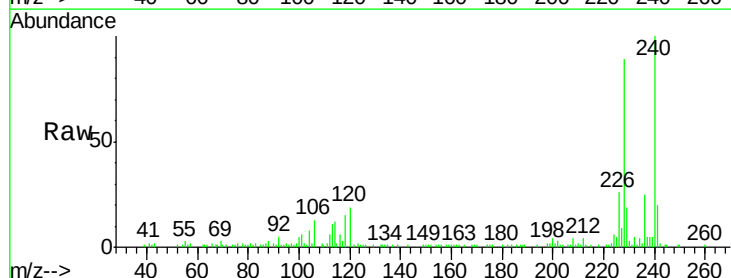
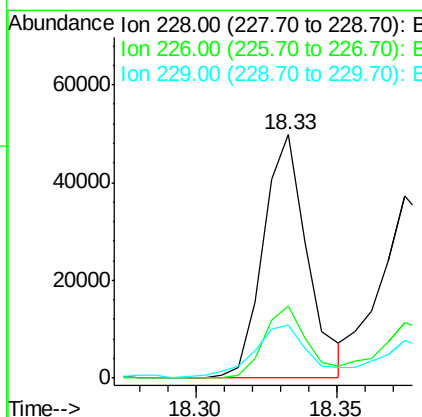
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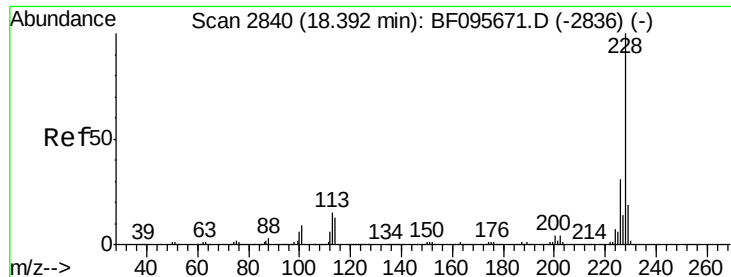
mohammad
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#80
 Benzo(a)anthracene
 Concen: 6.297 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	54124		
226	29.4	22.6	33.8	
229	21.8	16.3	24.5	





#82

Chrysene

Concen: 6.157 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

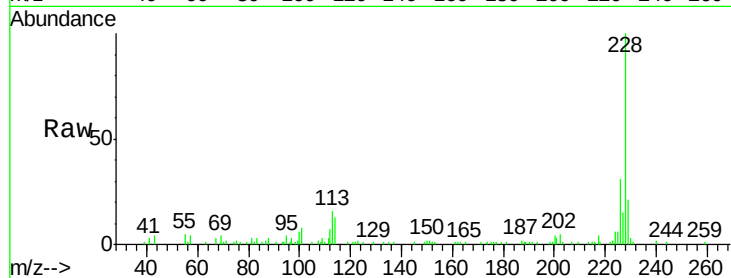
ClientSampleId :

159-COMP

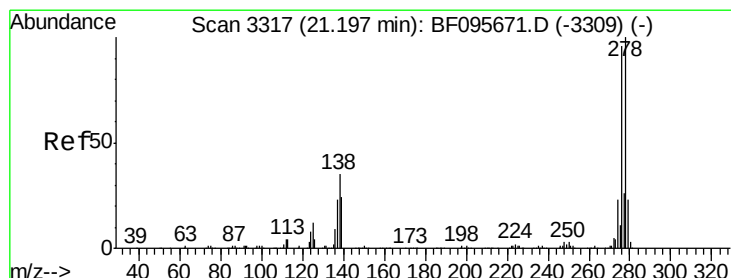
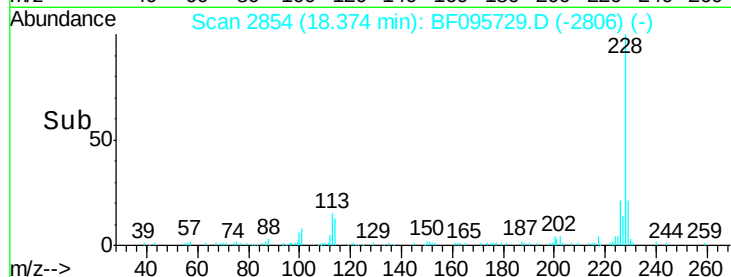
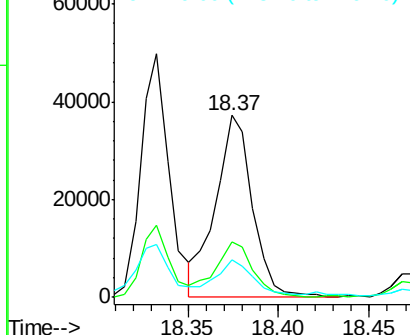
Tgt Ion:	228	Resp:	52889
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	20.5	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.901 ng

RT: 21.20 min Scan# 3334

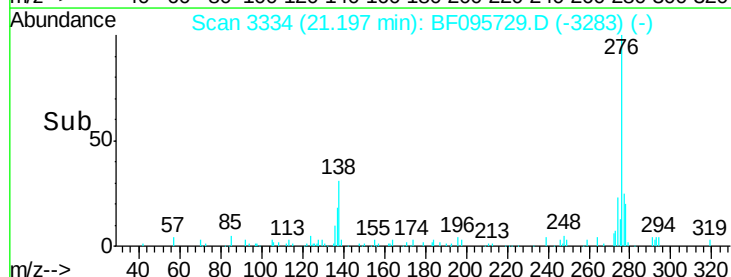
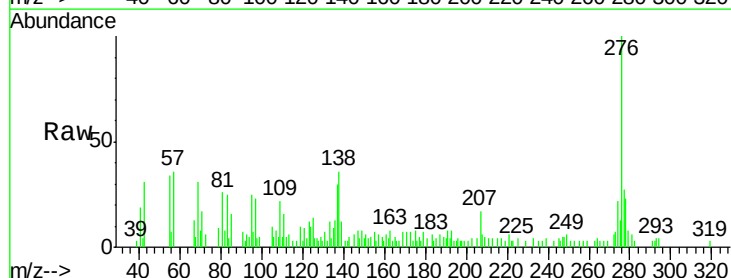
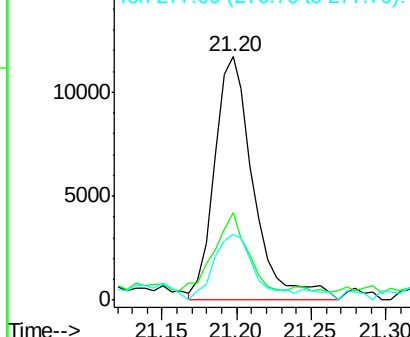
Delta R.T. -0.00 min

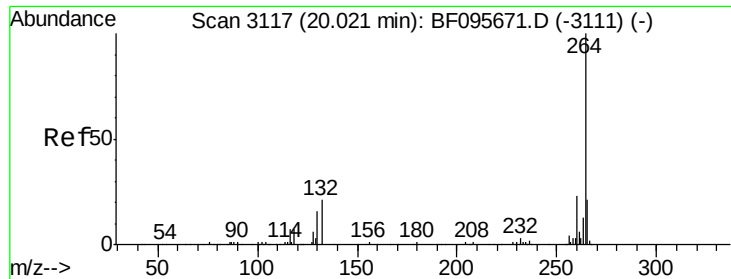
Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Tgt Ion:	276	Resp:	21317
Ion Ratio	Lower	Upper	
276	100		
138	32.2	27.8	41.6
277	28.2	20.2	30.4

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





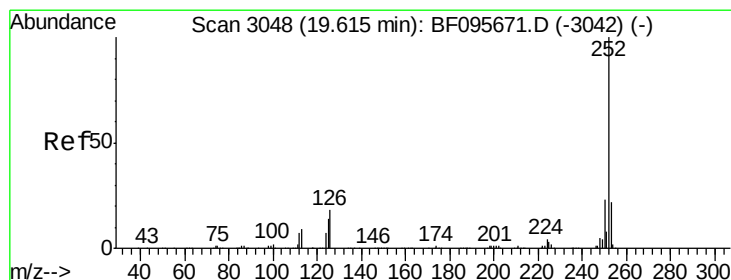
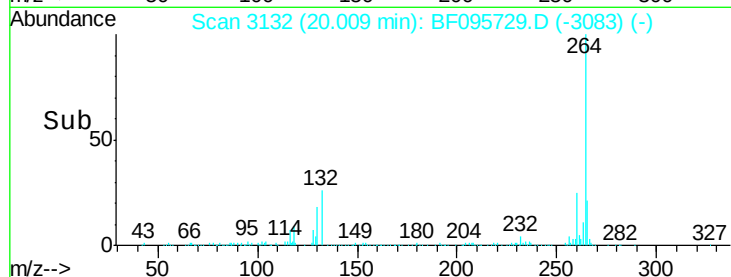
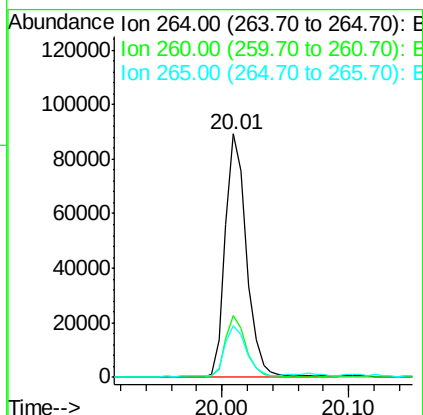
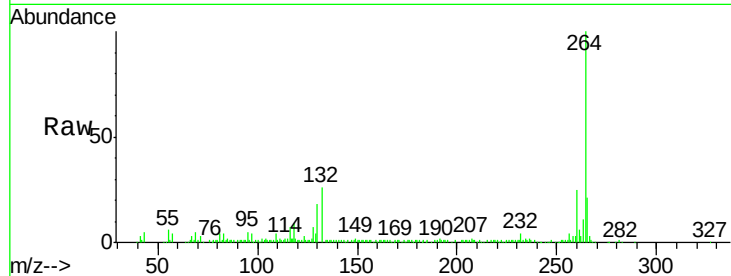
#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Instrument :
BNA_F
ClientSampleId :
159-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.4	17.2	25.8

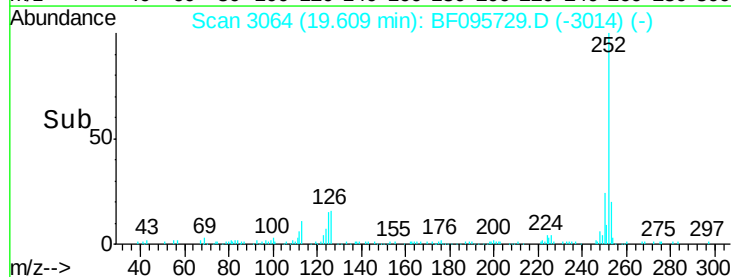
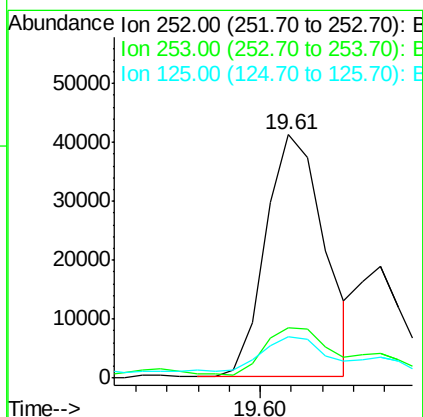
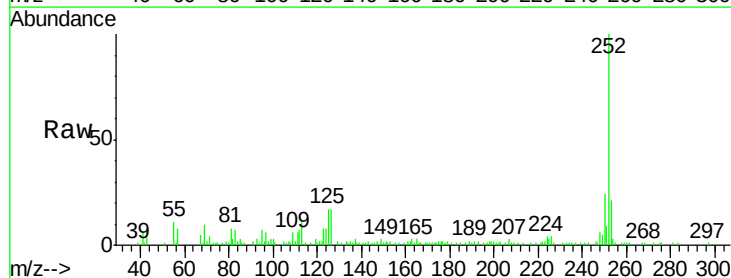
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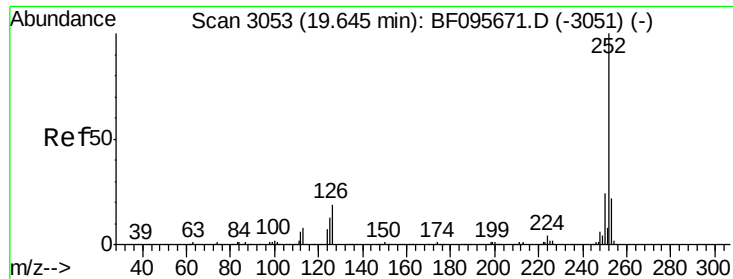
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#87
Benzo(b)fluoranthene
Concen: 8.235 ng m
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	16.8	9.8	14.8#





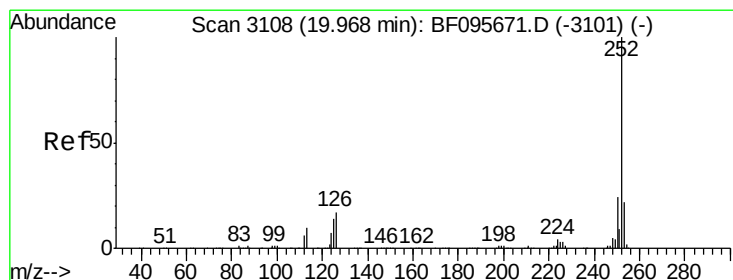
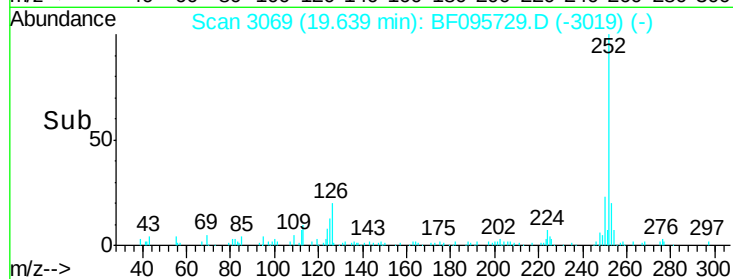
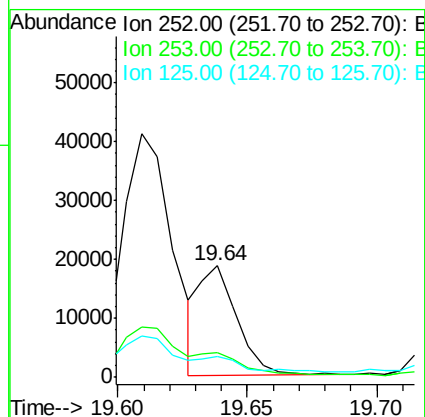
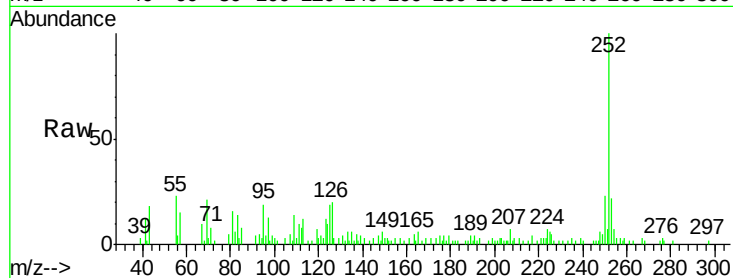
#88
Benzo(k)fluoranthene
Concen: 3.043 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Instrument :
BNA_F
ClientSampled :
159-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	18961		
253	22.3	18.4	27.6	
125	18.6	13.1	19.7	

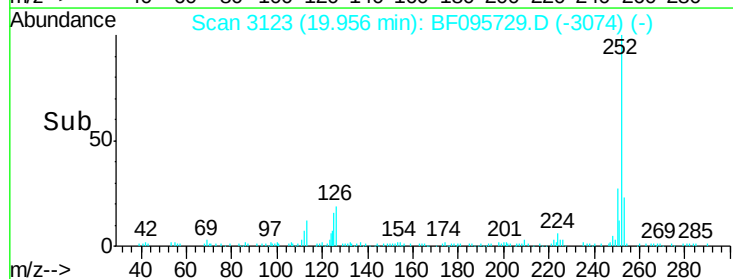
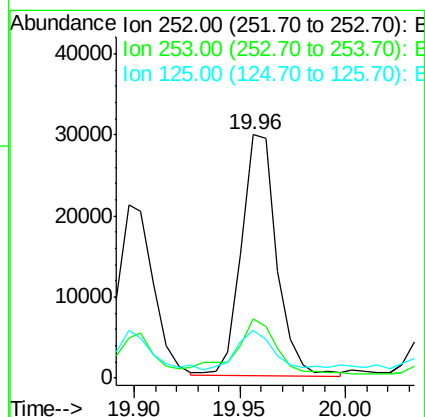
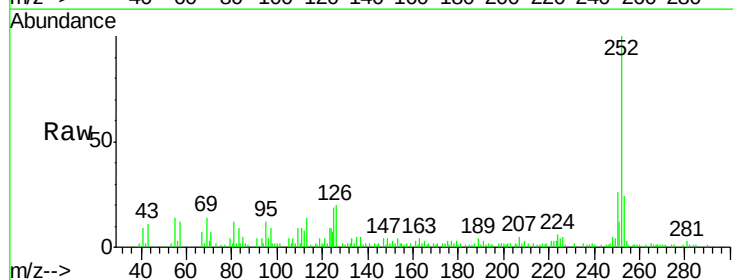
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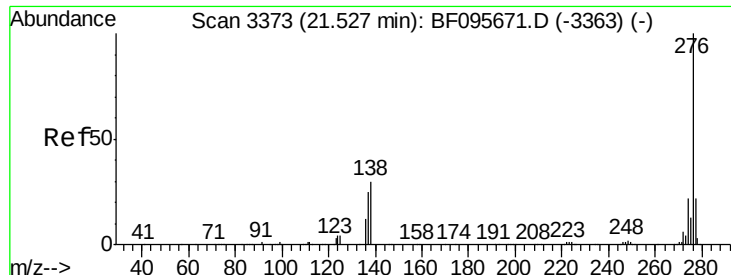
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#89
Benzo(a)pyrene
Concen: 5.749 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

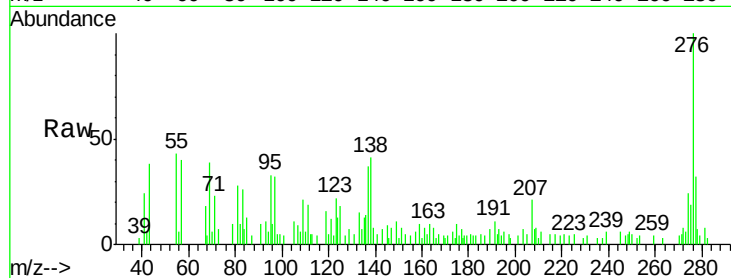
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	34443		
253	24.5	17.5	26.3	
125	19.5	11.0	16.4#	





#91
 Benzo(g,h,i)perylene
 Concen: 3.665 ng
 RT: 21.53 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 159-COMP



Tgt Ion:	276	Resp:	18987
Ion Ratio		Lower	Upper
276	100		
277	32.0	18.6	28.0#
138	41.4	25.4	38.0#

Manual Integrations
 APPROVED

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