

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095156.D
 Acq On : 16 May 2017 13:25
 Operator : SJ/MA
 Sample : I3140-16 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-30-3

Manual Integrations
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Quant Time: May 16 16:26:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	70148	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	260946	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109523	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	143724	20.00	ng	0.05
75) Chrysene-d12	18.70	240	156409	20.00	ng	0.05
86) Perylene-d12	20.38	264	131693	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	39100m	9.29	ng	0.14
7) Phenol-d6	7.38	99	49083m	9.72	ng	0.10
23) Nitrobenzene-d5	8.71	82	19893	4.81	ng	0.07
41) 2,4,6-Tribromophenol	13.95	330	5563	6.20	ng	0.06
44) 2-Fluorobiphenyl	11.57	172	48834	6.42	ng	0.04
78) Terphenyl-d14	17.35	244	35196	4.96	ng	0.04
Target Compounds						Qvalue
70) Phenanthrene	15.07	178	40239	4.87	ng	97
71) Anthracene	15.16	178	26697	3.16	ng	95
74) Fluoranthene	16.81	202	139443	16.46	ng	98
77) Pyrene	17.11	202	125605	10.74	ng	96
80) Benzo(a)anthracene	18.69	228	34551m	3.80	ng	
82) Chrysene	18.74	228	38361	4.36	ng	97
87) Benzo(b)fluoranthene	19.97	252	34463m	4.24	ng	
88) Benzo(k)fluoranthene	20.00	252	16492m	2.10	ng	
89) Benzo(a)pyrene	20.32	252	23238	3.09	ng	# 87
91) Benzo(g,h,i)perylene	22.12	276	13771m	2.26	ng	

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

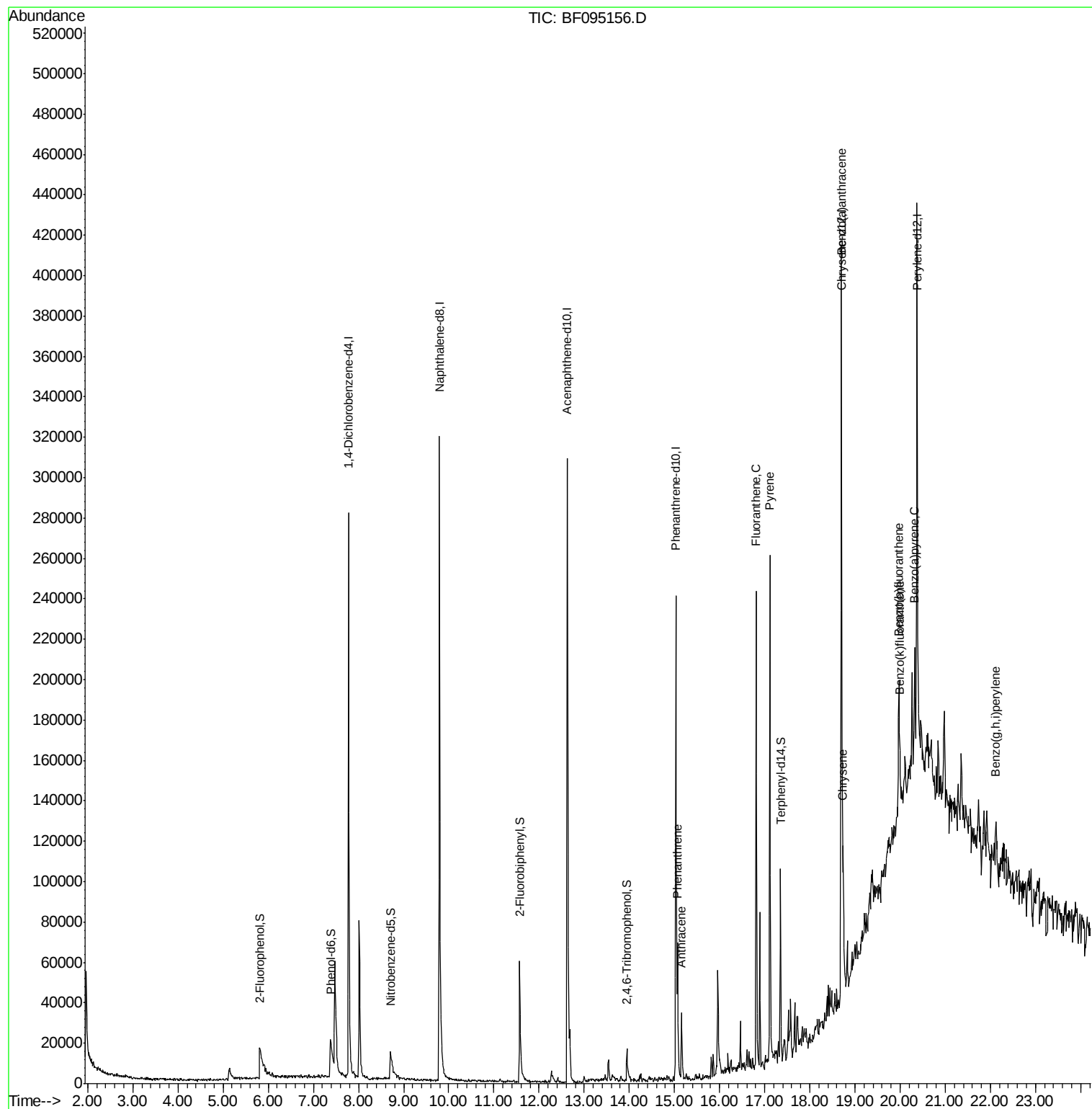
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095156.D
Acq On : 16 May 2017 13:25
Operator : SJ/MA
Sample : I3140-16 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

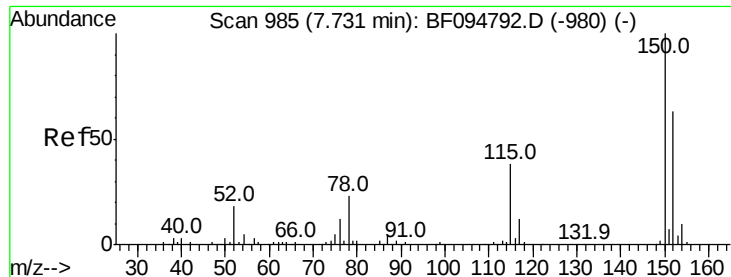
Instrument :
BNA_F
ClientSampled :
TP-30-3

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#1

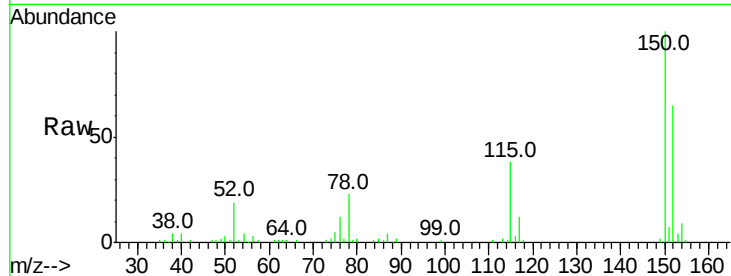
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.78 min Scan# 993
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampled :
 TP-30-3

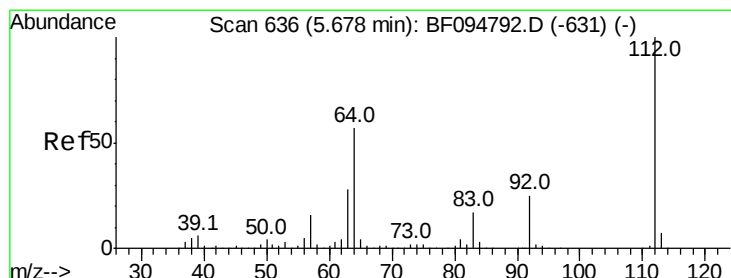
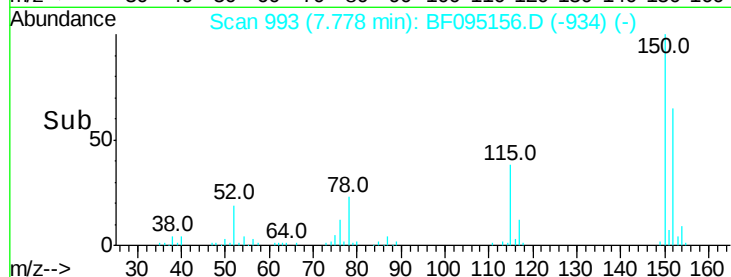
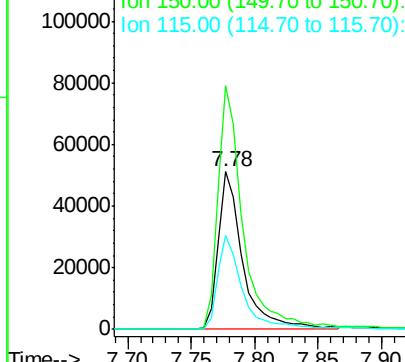
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	59.5	52.2	78.2

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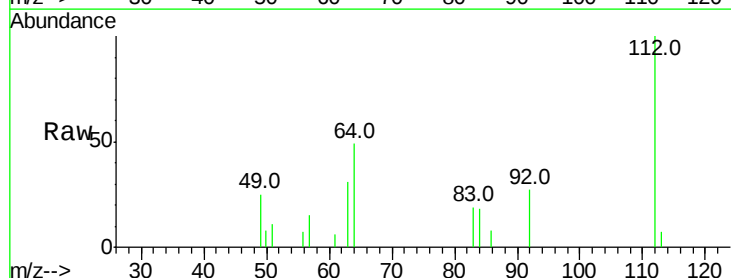
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 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



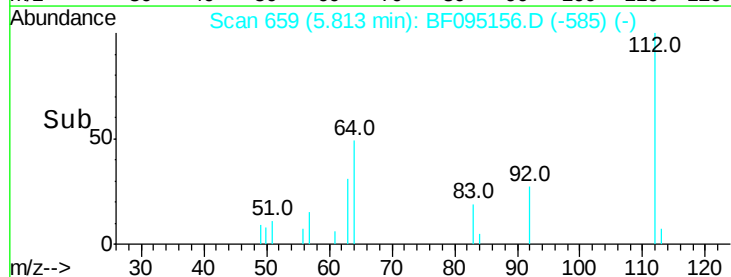
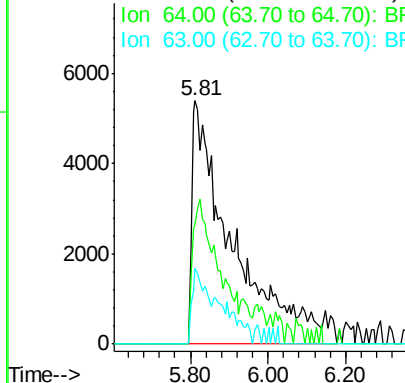
#5

2-Fluorophenol
 Concen: 9.29 ng m
 RT: 5.81 min Scan# 659
 Delta R.T. 0.14 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	46.0	69.0
63	31.1	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





#7

Phenol-d6

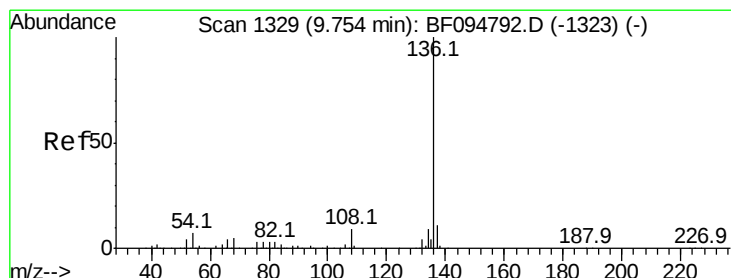
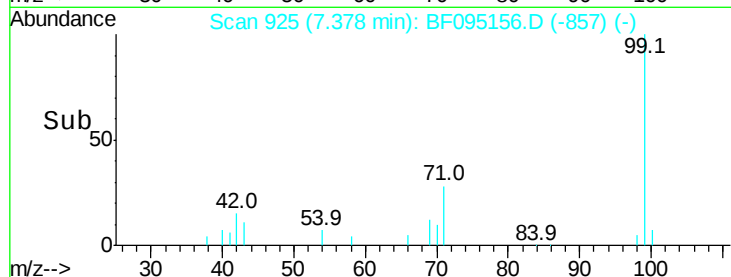
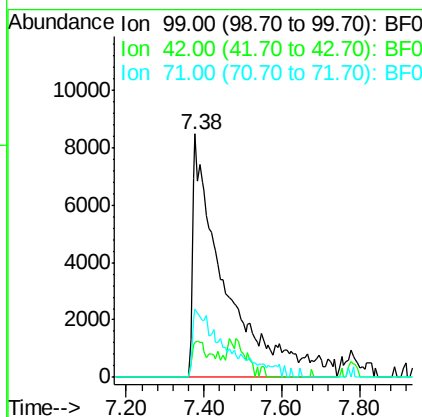
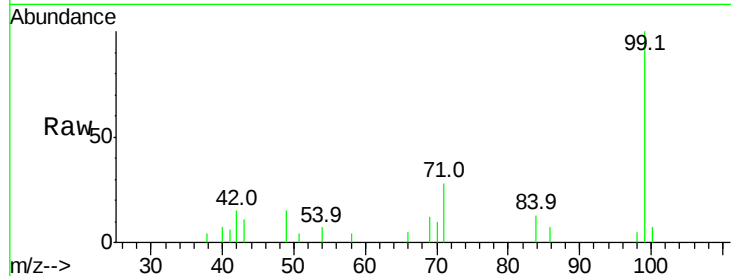
Concen: 9.72 ng m
RT: 7.38 min Scan# 925
Delta R.T. 0.10 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampled :
TP-30-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		49083		
42	14.6	13.5	20.3		
71	27.9	24.5	36.7		

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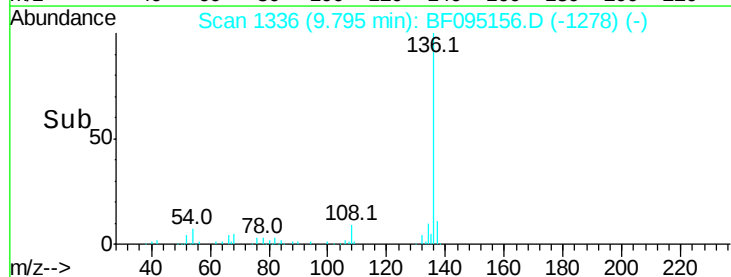
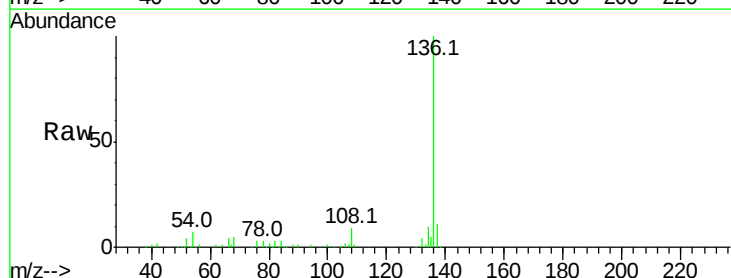
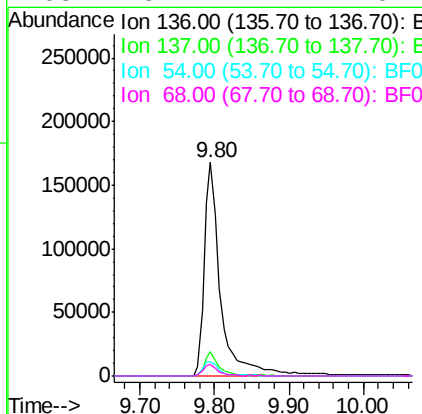


#21

Naphthalene-d8

Concen: 20.00 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.04 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		260946		
137	11.2	8.5	12.7		
54	6.7	4.9	7.3		
68	5.4	4.1	6.1		





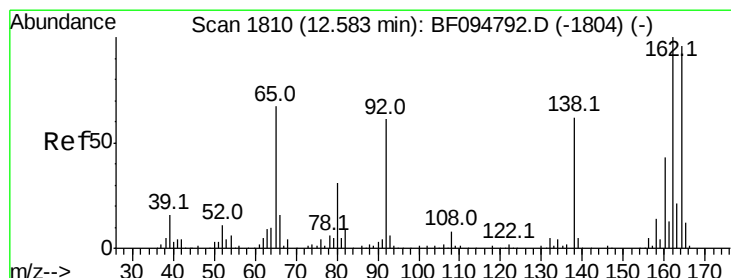
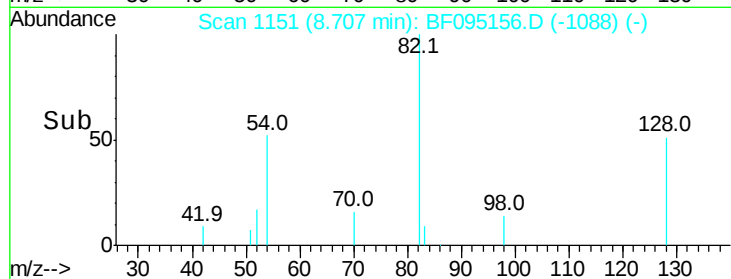
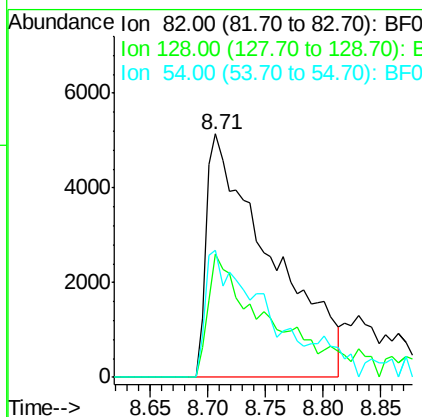
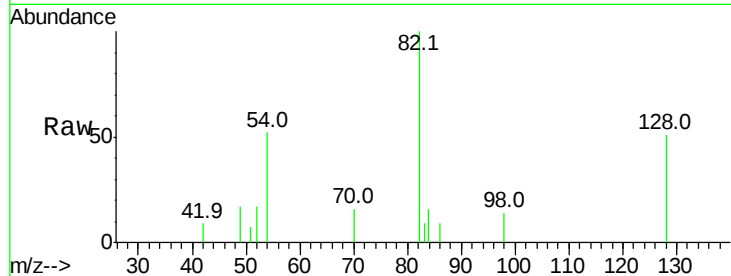
#23
 Nitrobenzene-d5
 Concen: 4.81 ng
 RT: 8.71 min Scan# 1151
 Delta R.T. 0.07 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampled :
 TP-30-3

Tot Ion	82	Resp	19893
Ion Ratio	100	Lower	Upper
128	50.9	34.0	51.0
54	52.2	42.2	63.2

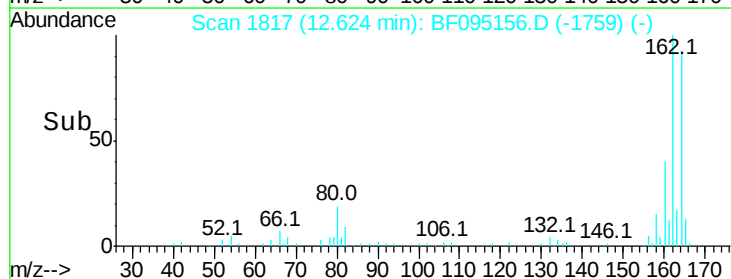
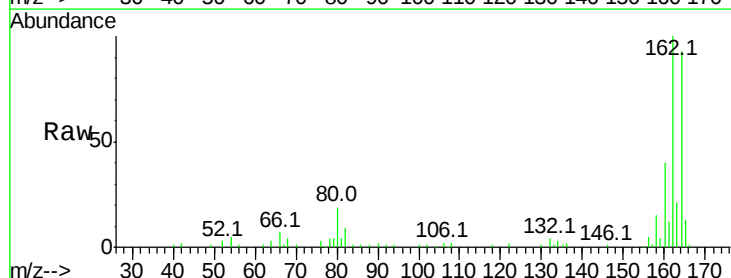
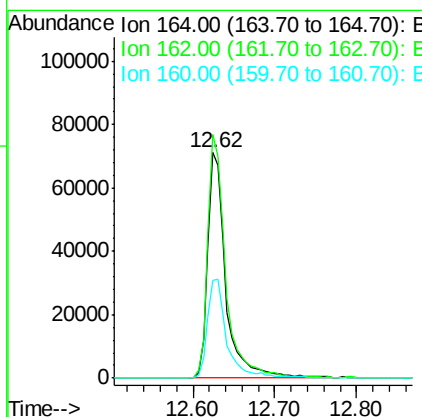
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	164	Resp	109523
Ion Ratio	100	Lower	Upper
162	107.9	82.6	123.8
160	43.1	36.2	54.2





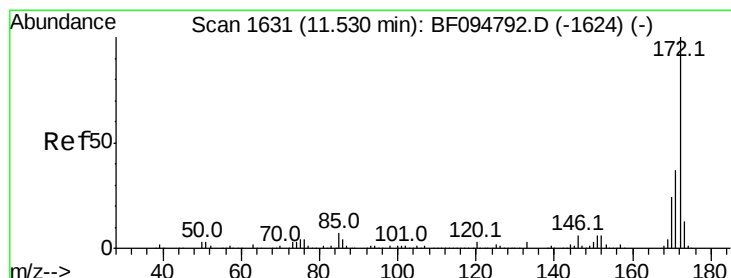
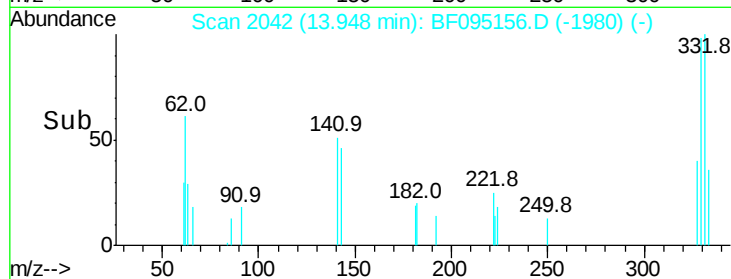
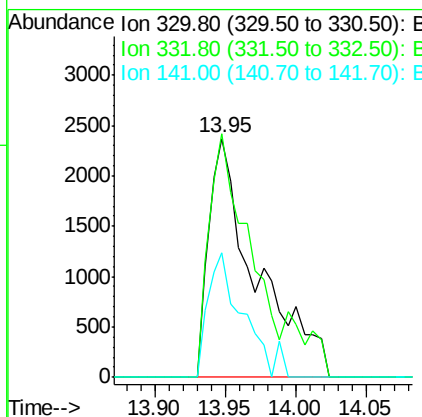
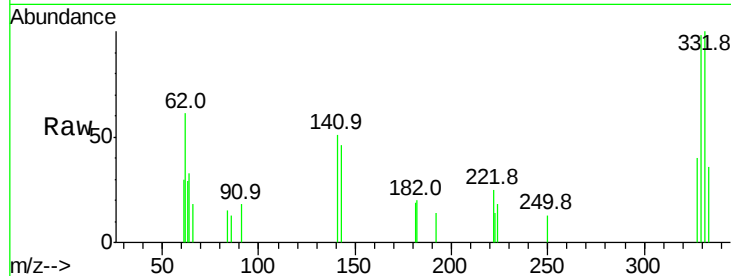
#41
 2,4,6-Tribromophenol
 Concen: 6.20 ng
 RT: 13.95 min Scan# 2042
 Delta R.T. 0.06 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-30-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	85.4	76.6	115.0
141	36.2	31.4	47.2

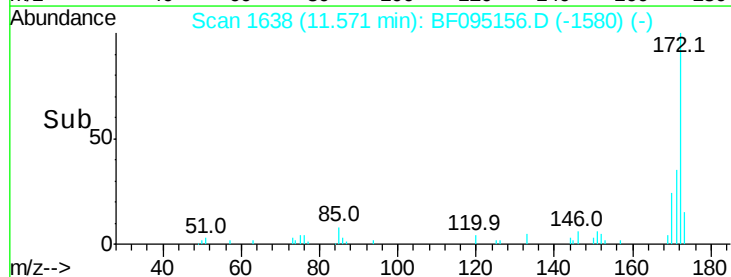
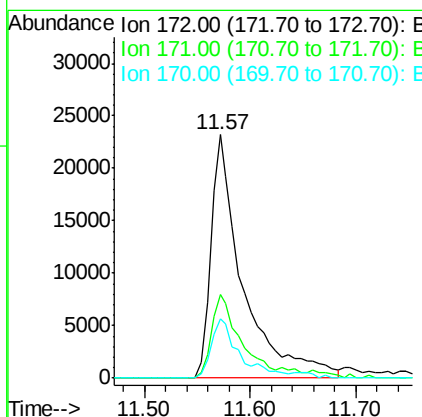
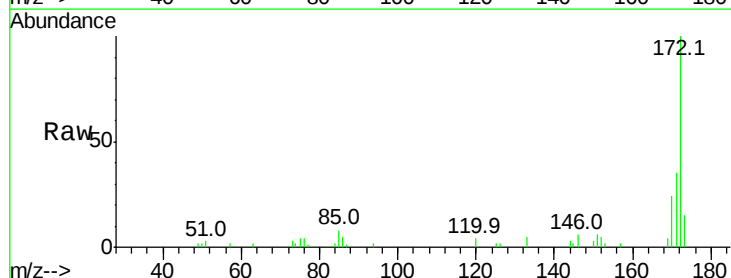
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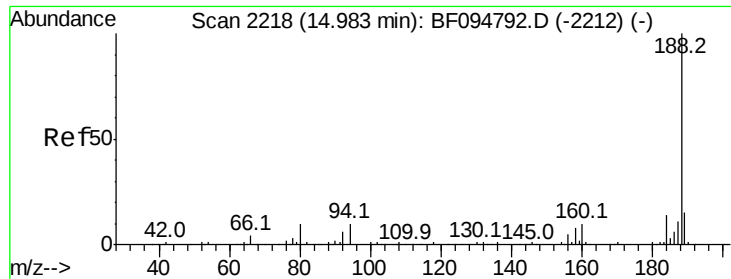
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#44
 2-Fluorobiphenyl
 Concen: 6.42 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.04 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	24.1	19.8	29.8





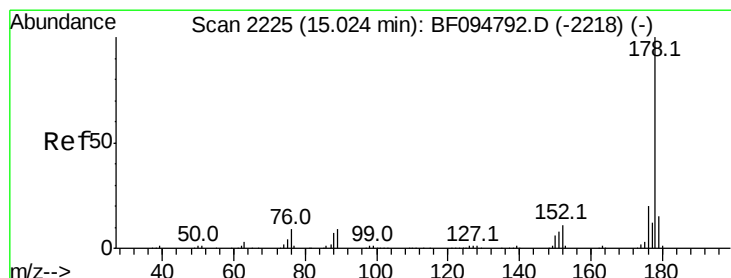
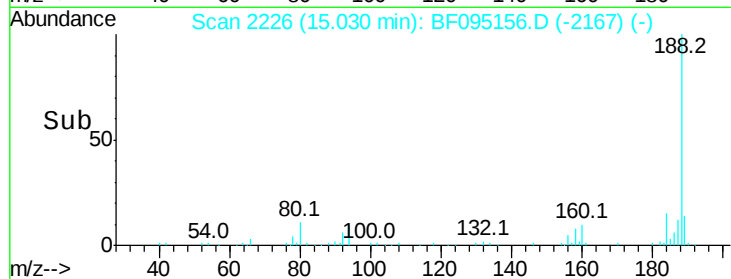
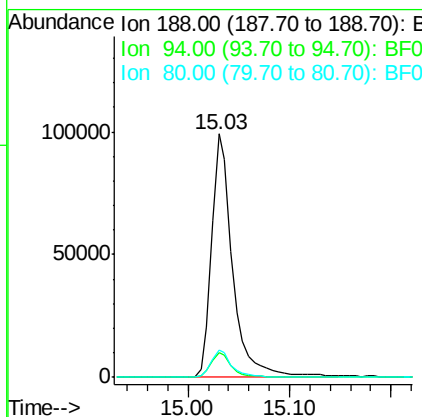
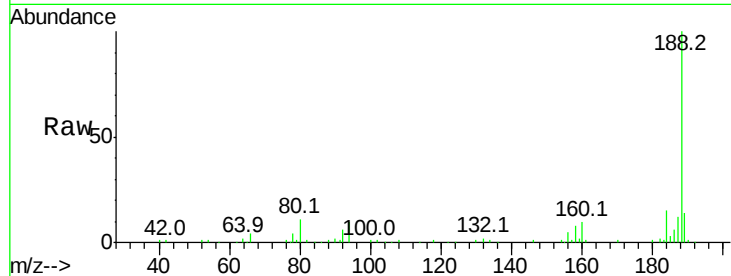
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-30-3

Tot Ion:	188	Resp:	143724
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	11.1	10.2	15.2

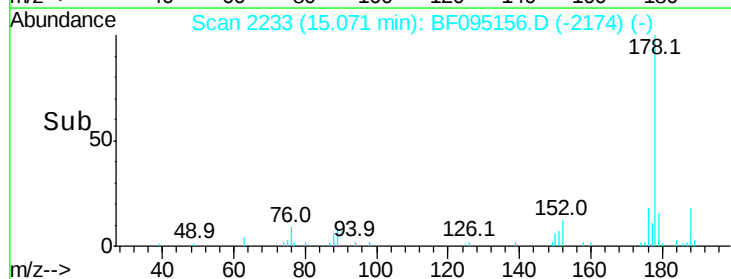
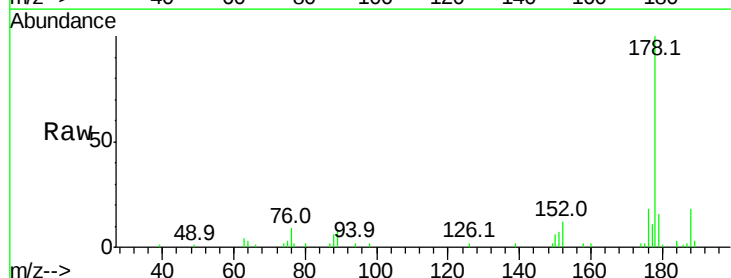
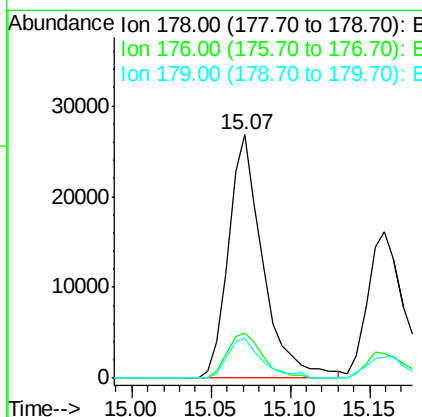
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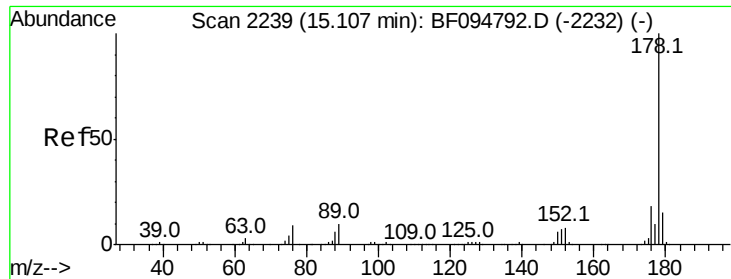
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#70
 Phenanthrene
 Concen: 4.87 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion:	178	Resp:	40239
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.2	24.4
179	16.3	12.6	19.0





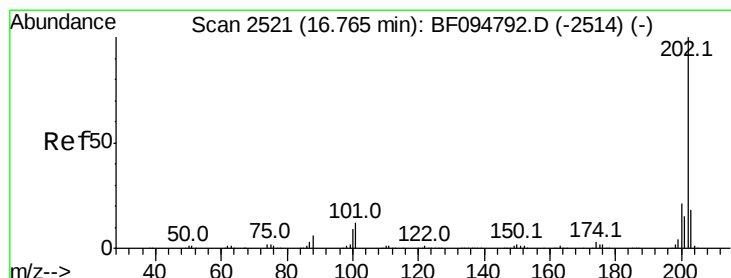
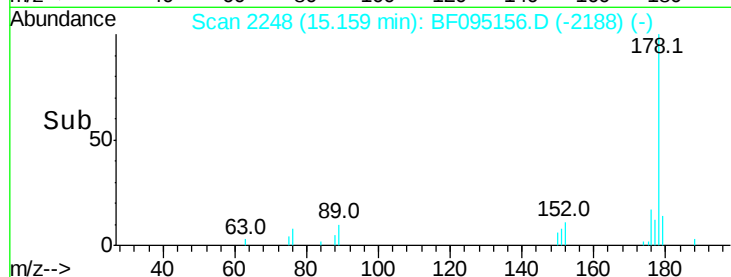
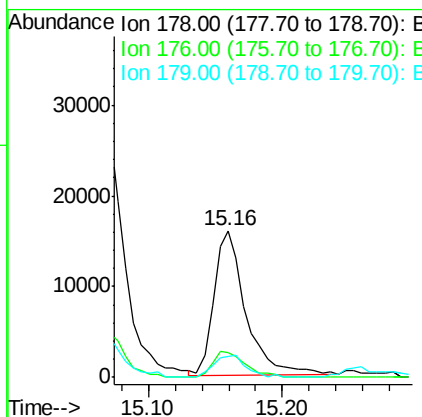
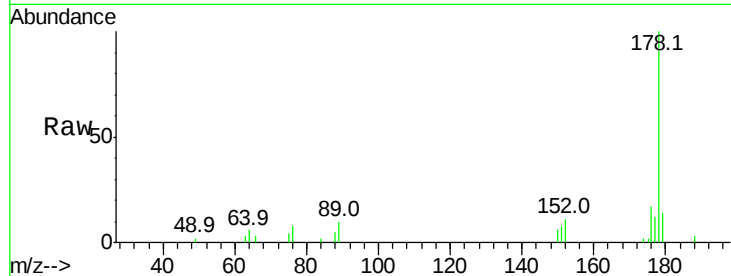
#71
 Anthracene
 Concen: 3.16 ng
 RT: 15.16 min Scan# 2248
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-30-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	14.4	12.7	19.1

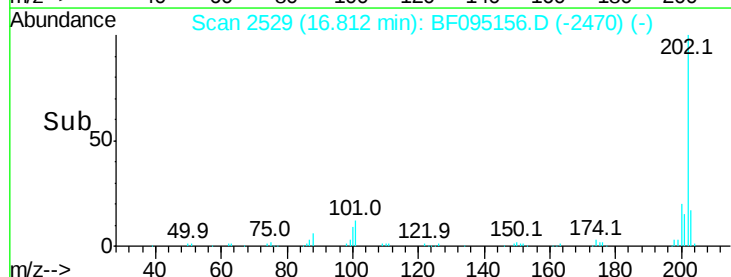
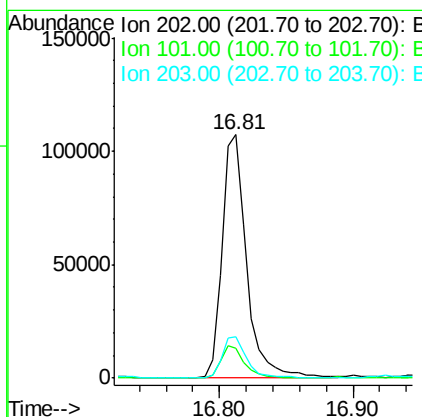
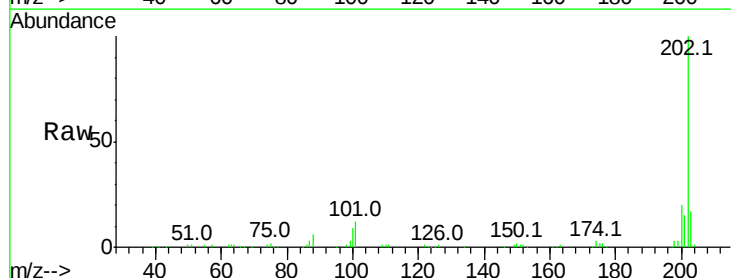
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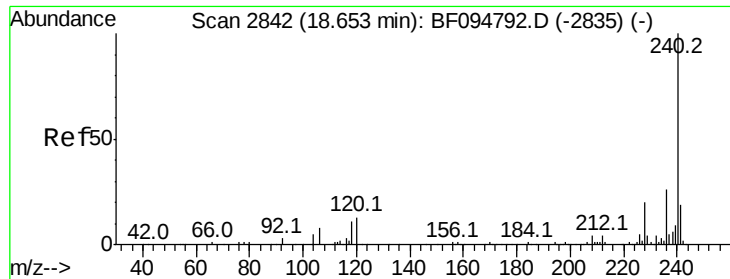
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#74
 Fluoranthene
 Concen: 16.46 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	16.9	0.0	38.1





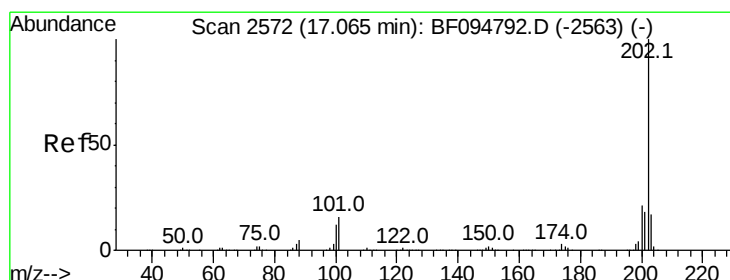
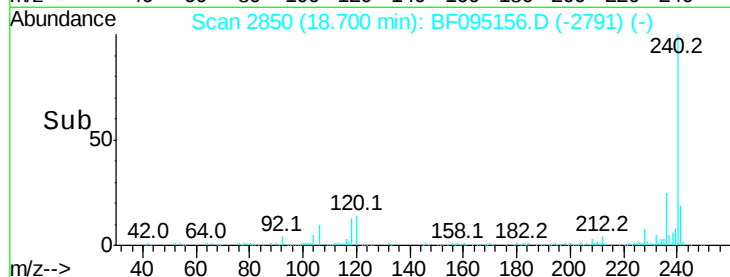
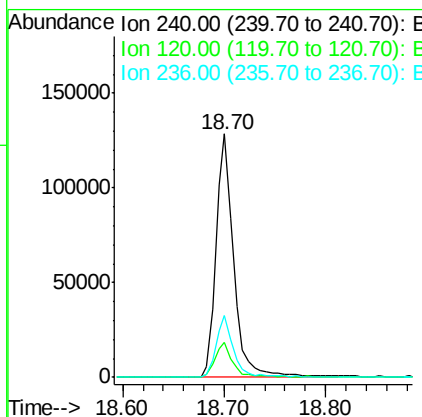
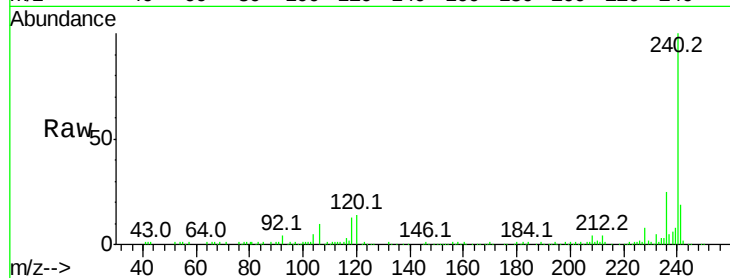
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-30-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.4	20.5	30.7

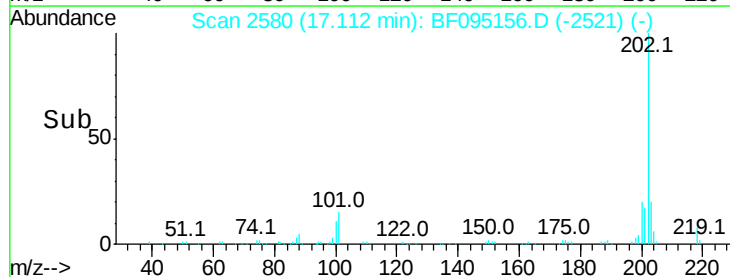
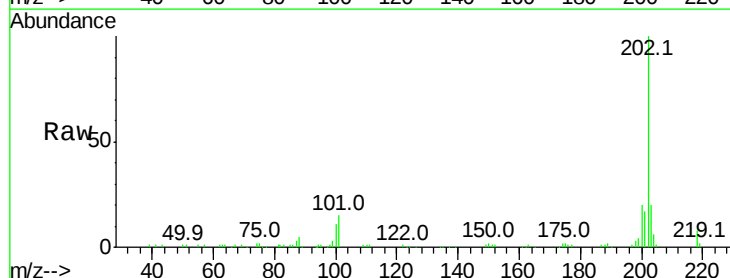
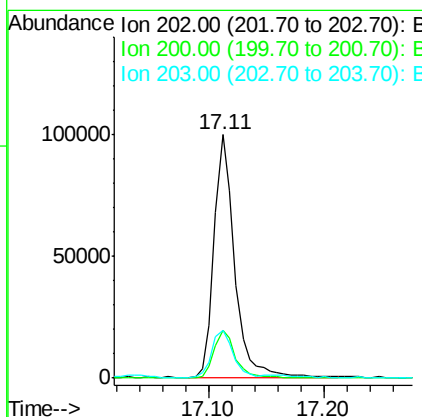
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#77
 Pyrene
 Concen: 10.74 ng
 RT: 17.11 min Scan# 2580
 Delta R.T. 0.05 min
 Lab File: BF095156.D
 Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.6	26.4
203	19.9	14.4	21.6





#78

Terphenyl-d14

Concen: 4.96 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Instrument :

BNA_F

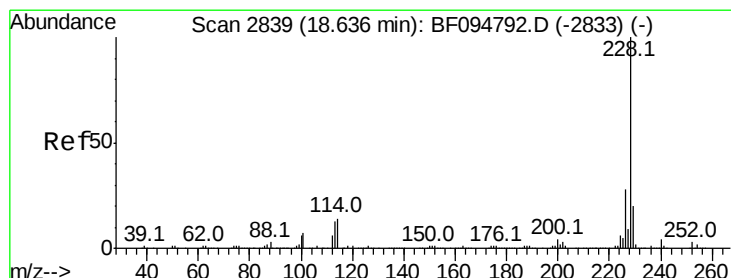
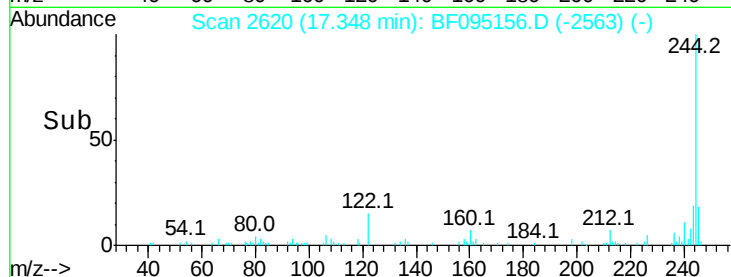
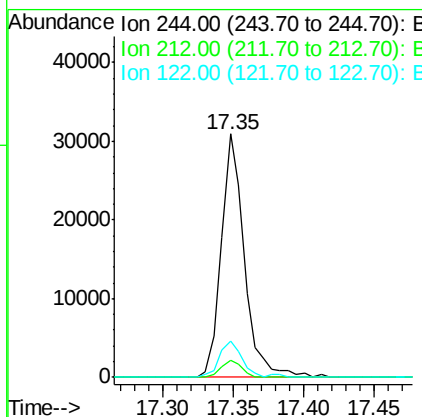
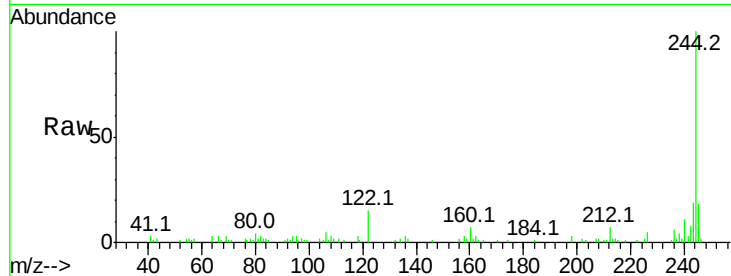
ClientSampleId :

TP-30-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.0	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.80 ng m

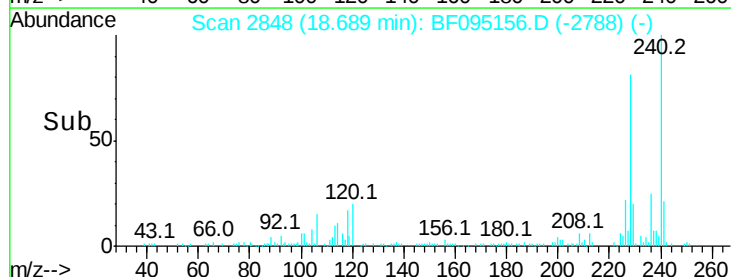
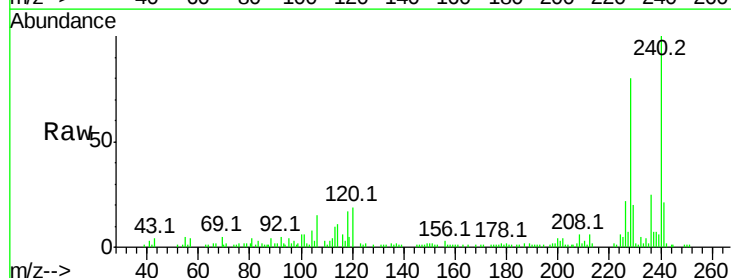
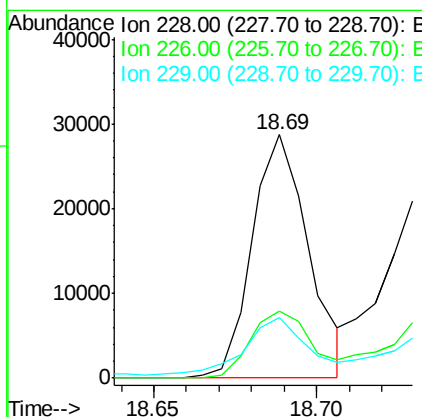
RT: 18.69 min Scan# 2848

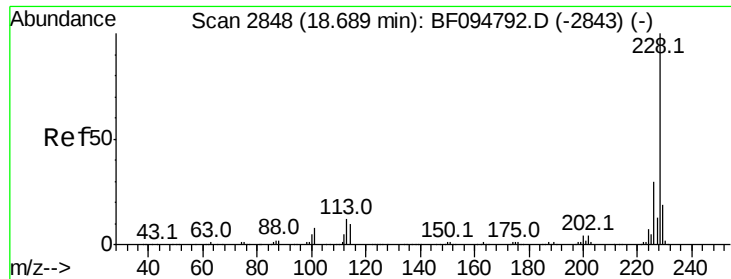
Delta R.T. 0.05 min

Lab File: BF095156.D

Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	24.7	16.3	24.5





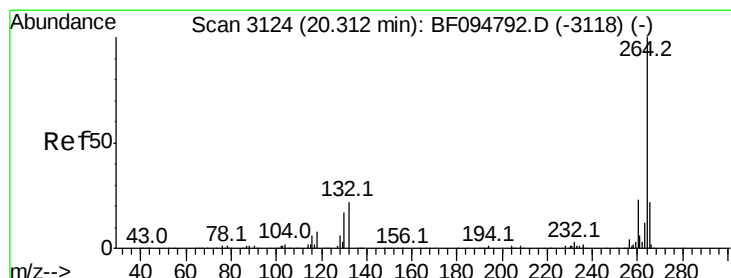
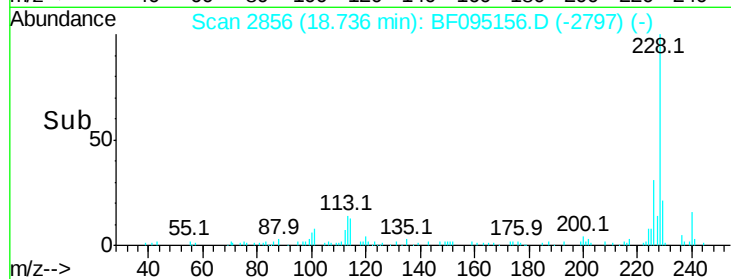
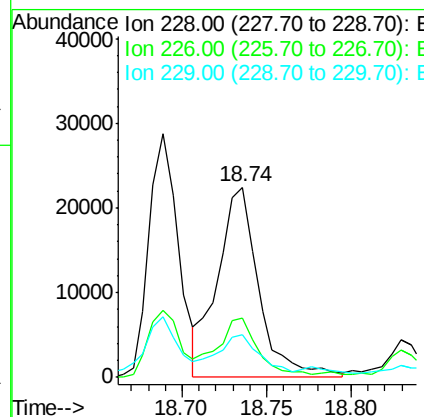
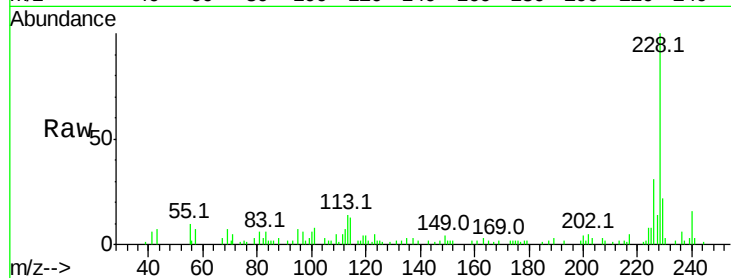
#82
Chrysene
Concen: 4.36 ng
RT: 18.74 min Scan# 2856
Delta R.T. 0.05 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampled :
TP-30-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	22.3	15.8	23.6

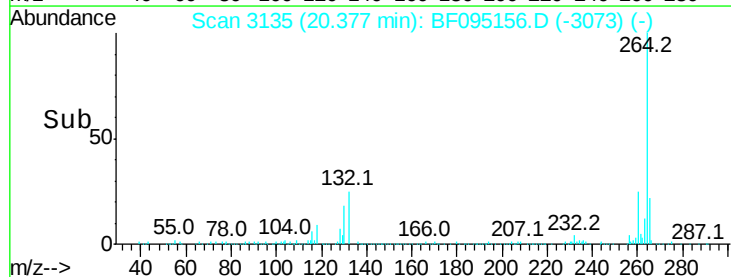
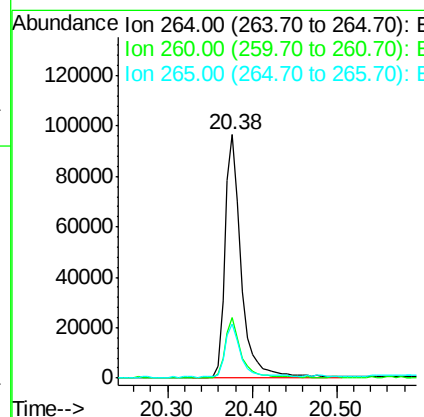
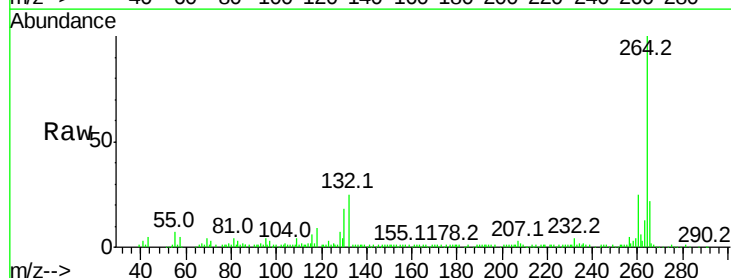
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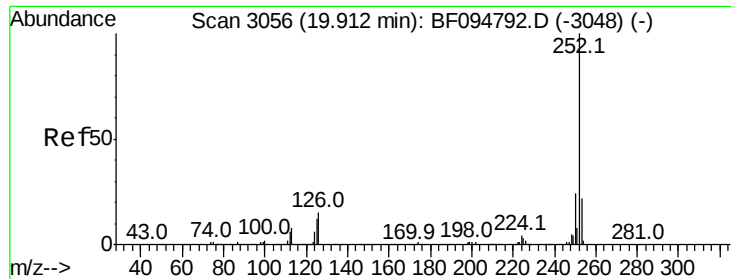
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.2	17.2	25.8





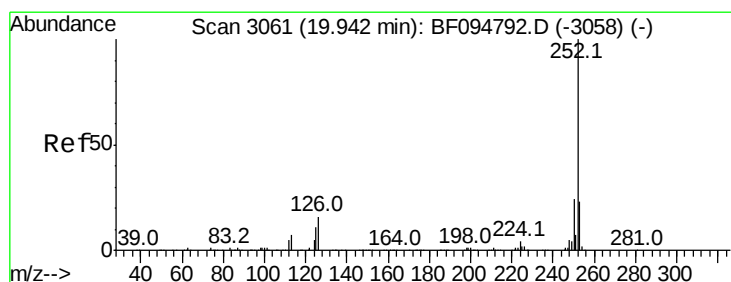
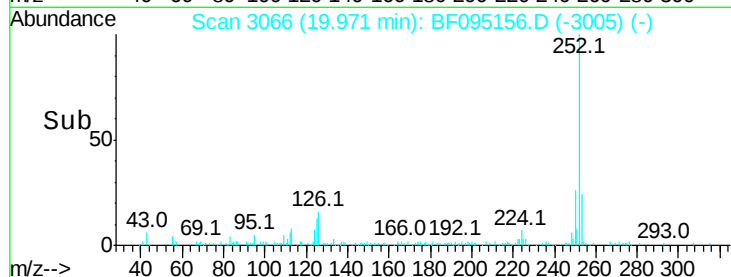
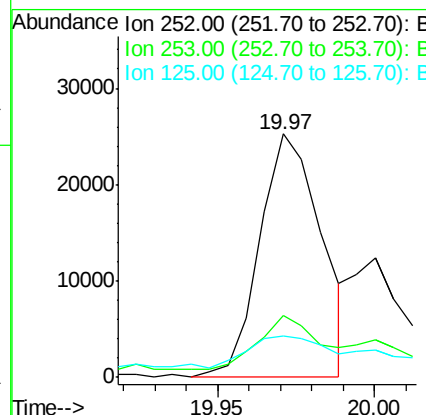
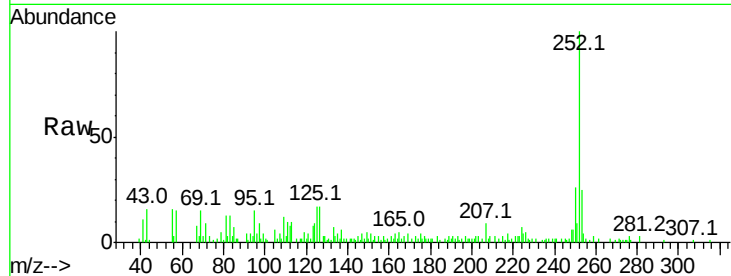
#87
Benzo(b)fluoranthene
Concen: 4.24 ng m
RT: 19.97 min Scan# 3066
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampleId :
TP-30-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	17.1	9.8	14.8

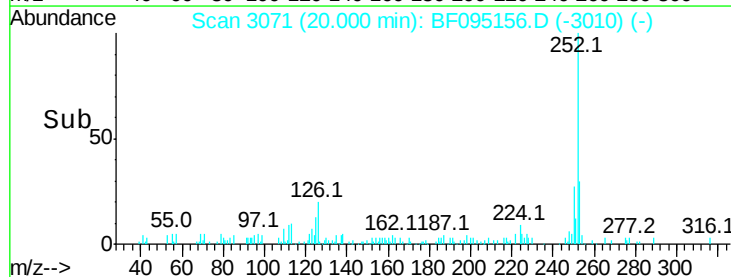
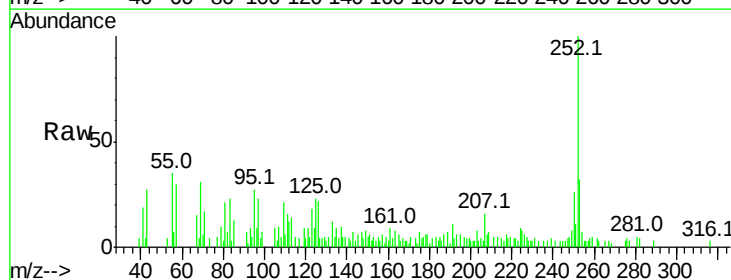
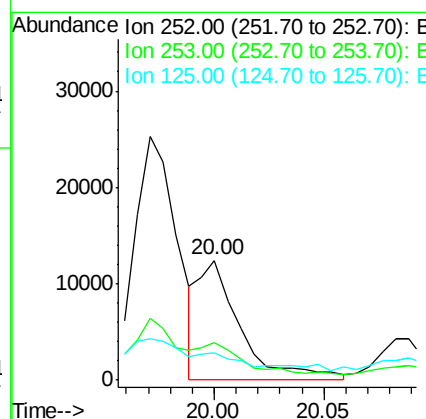
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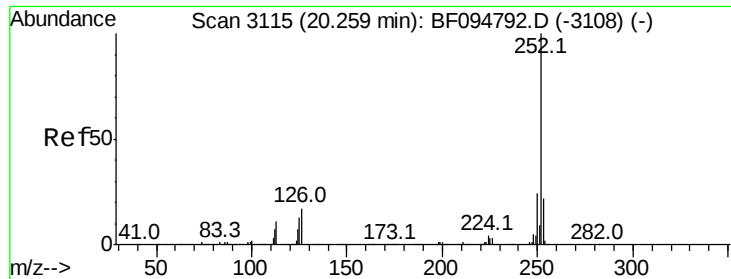
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#88
Benzo(k)fluoranthene
Concen: 2.10 ng m
RT: 20.00 min Scan# 3071
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.6	18.4	27.6
125	22.9	13.1	19.7





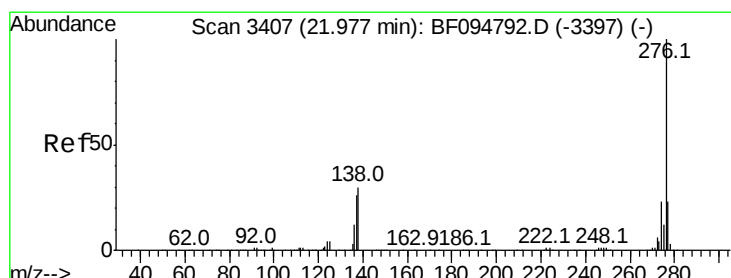
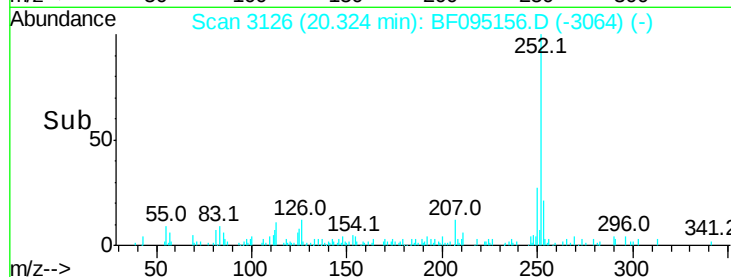
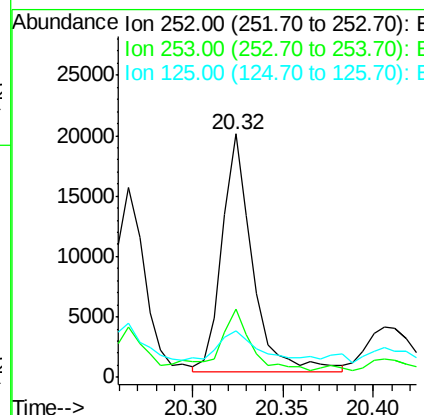
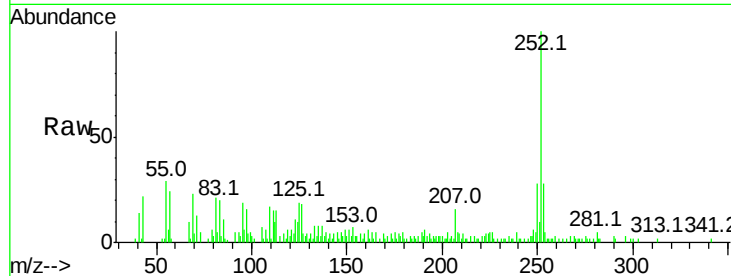
#89
Benzo(a)pyrene
Concen: 3.09 ng
RT: 20.32 min Scan# 3126
Delta R.T. 0.06 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Instrument :
BNA_F
ClientSampled :
TP-30-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.5	26.3#
125	18.9	11.0	16.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.26 ng m
RT: 22.12 min Scan# 3432
Delta R.T. 0.15 min
Lab File: BF095156.D
Acq: 16 May 2017 13:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.6	18.6	28.0#
138	37.3	25.4	38.0

