

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095642.D
 Acq On : 2 Jun 2017 19:32
 Operator : SJ/MA
 Sample : I3405-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12

Manual Integrations
 APPROVED

mohammad
 6/6/2017 8:48:46 AM

Quant Time: Jun 05 09:23:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	91335	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	371008	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	157881	20.00	ng	0.00
63) Phenanthrene-d10	14.79	188	253812	20.00	ng	-0.01
75) Chrysene-d12	18.49	240	186336	20.00	ng	0.00
86) Perylene-d12	20.17	264	146766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	53776	9.82	ng	0.07
7) Phenol-d6	7.09	99	490288	74.59	ng	-0.01
23) Nitrobenzene-d5	8.45	82	411148	69.88	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
44) 2-Fluorobiphenyl	11.35	172	786053	71.66	ng	0.00
78) Terphenyl-d14	17.14	244	534944	63.23	ng	0.00
Target Compounds						
10) Phenol	7.12	94	27646	3.99	ng	Qvalue # 76
49) Dimethylphthalate	12.04	163	78486	6.06	ng	# 98
70) Phenanthrene	14.83	178	273661	18.77	ng	97
71) Anthracene	14.93	178	31728m	2.13	ng	
72) Carbazole	15.23	167	44423	3.28	ng	92
74) Fluoranthene	16.60	202	436593	29.19	ng	100
77) Pyrene	16.90	202	337795	24.24	ng	97
79) Butylbenzylphthalate	17.80	149	35446	5.47	ng	92
80) Benzo(a)anthracene	18.48	228	98892	9.12	ng	96
82) Chrysene	18.53	228	133051m	12.69	ng	
85) Indeno(1,2,3-cd)pyrene	21.42	276	50680	5.95	ng	96
87) Benzo(b)fluoranthene	19.76	252	139608	15.39	ng	# 97
88) Benzo(k)fluoranthene	19.79	252	41795m	4.78	ng	
89) Benzo(a)pyrene	20.12	252	82230	9.83	ng	95
91) Benzo(a,h,i)perylene	21.79	276	47949	7.07	ng	96

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

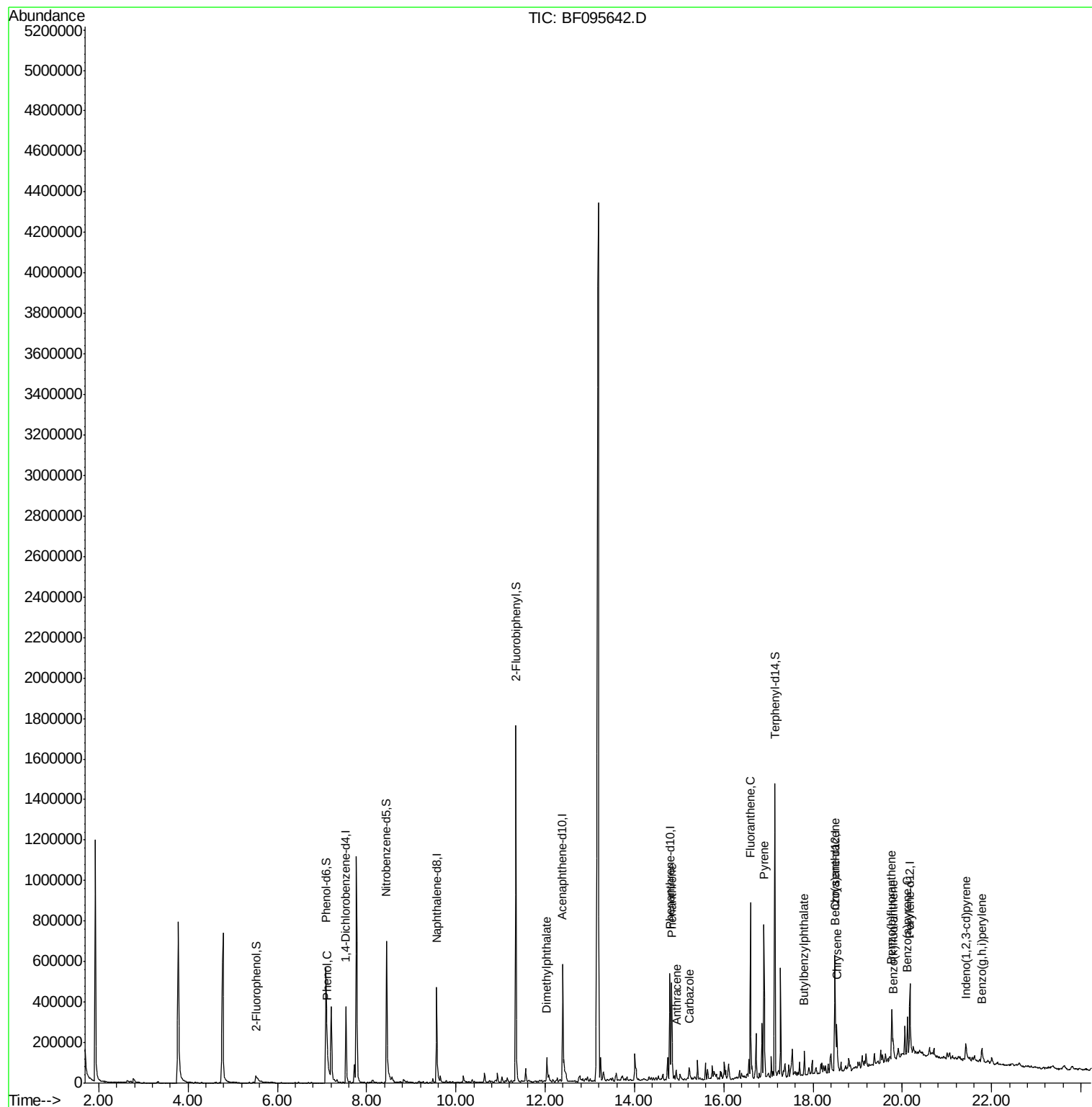
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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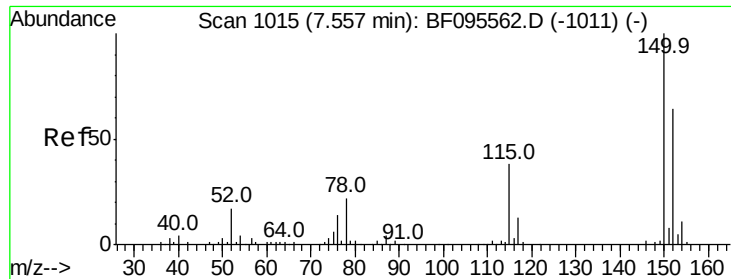
Instrument :
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#1

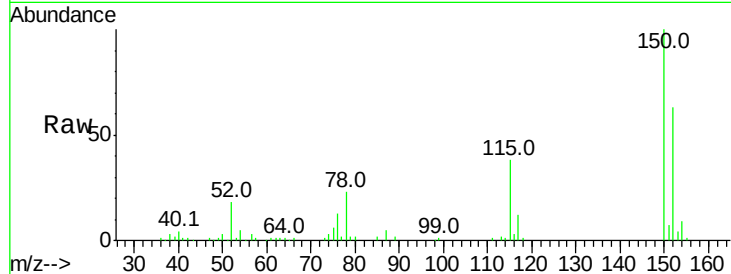
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.53 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

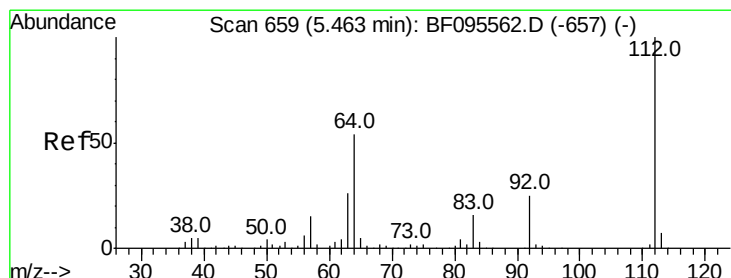
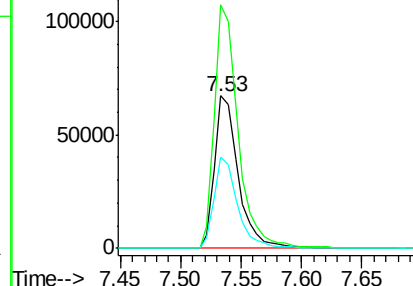
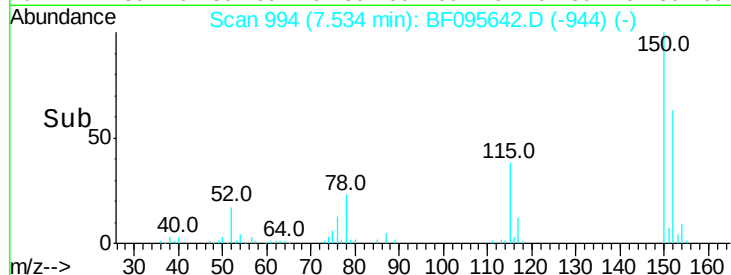
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	60.1	52.2	78.2

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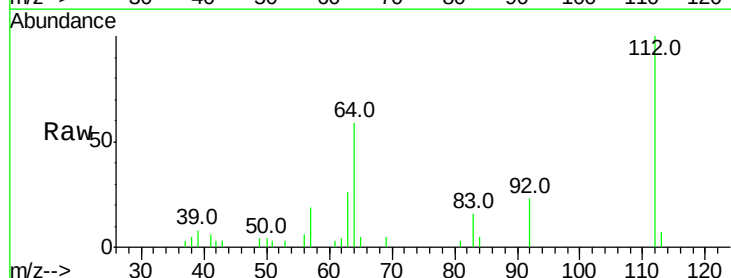
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



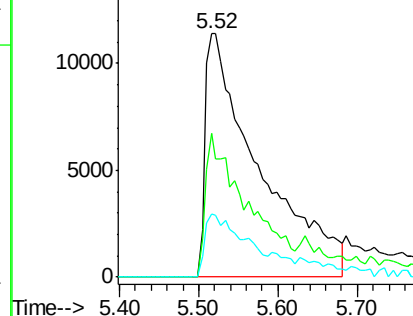
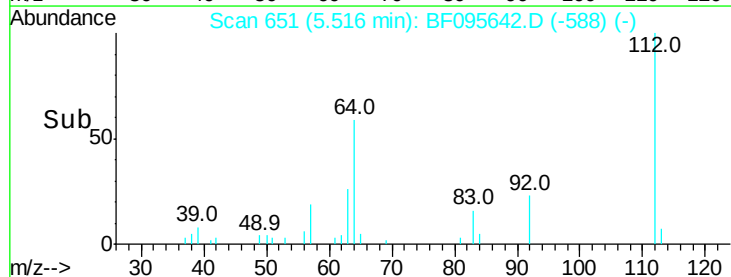
#5

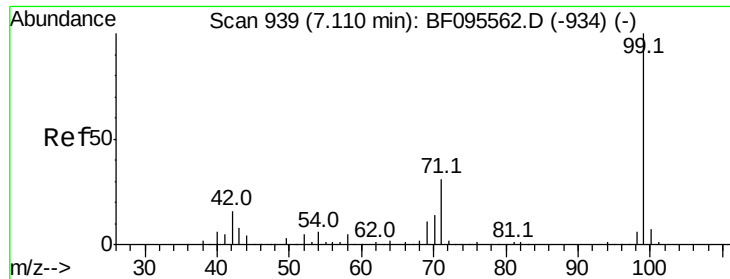
2-Fluorophenol
Concen: 9.82 ng
RT: 5.52 min Scan# 651
Delta R.T. 0.07 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	26.0	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: 74.59 ng

RT: 7.09 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Instrument :

BNA_F

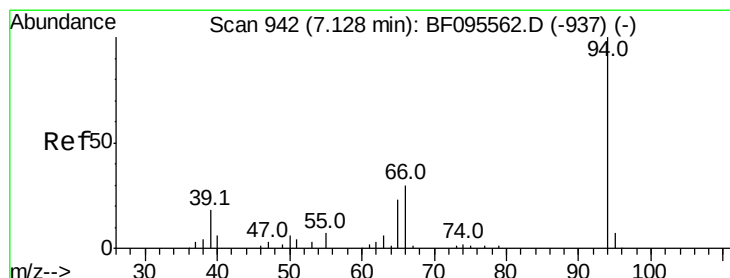
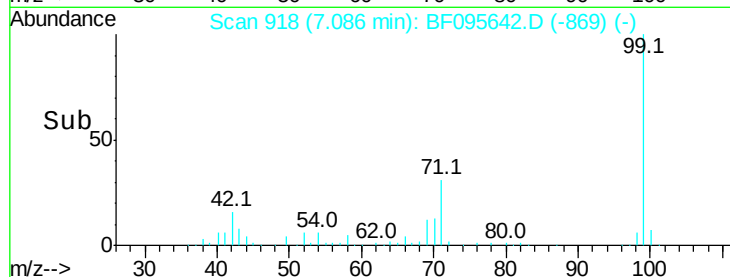
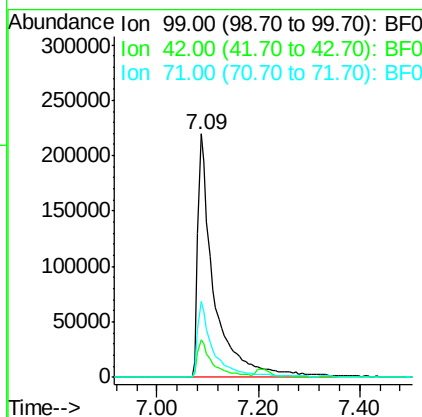
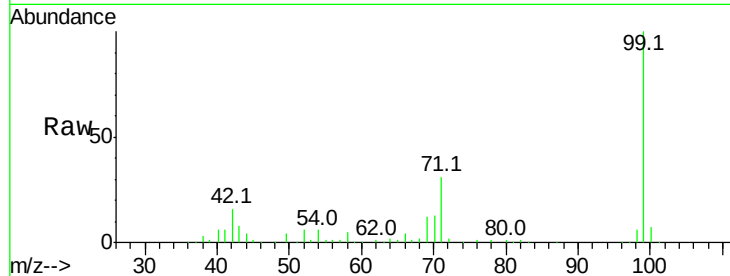
ClientSampled :

R1-SB-4D12

Tot Ion:	99	Resp:	490288
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	31.3	24.5	36.7

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#10

Phenol

Concen: 3.99 ng

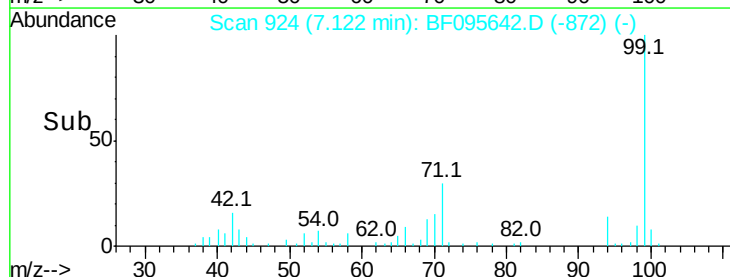
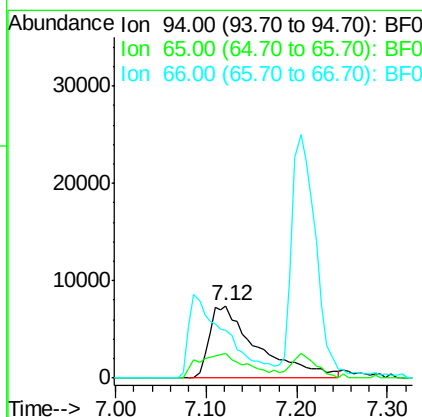
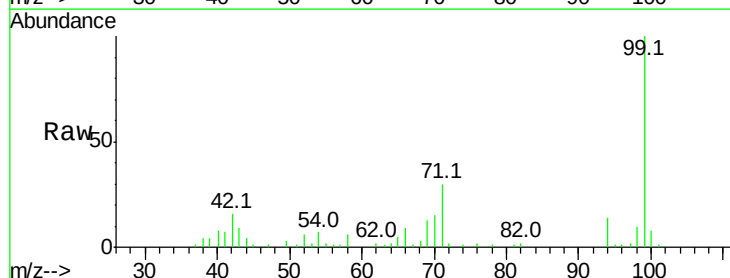
RT: 7.12 min Scan# 924

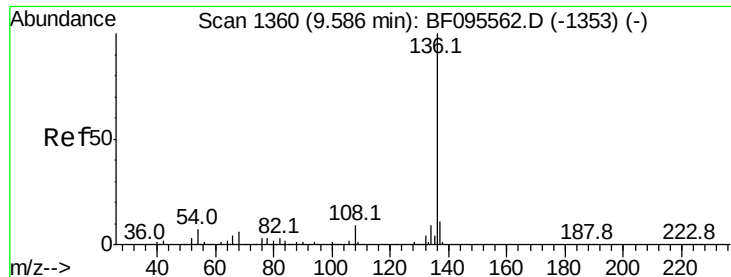
Delta R.T. 0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Tgt Ion:	94	Resp:	27646
Ion	Ratio	Lower	Upper
94	100		
65	33.6	9.9	49.9
66	65.9	23.1	63.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Instrument :

BNA_F

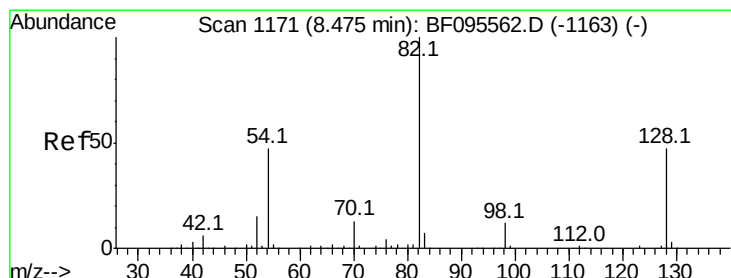
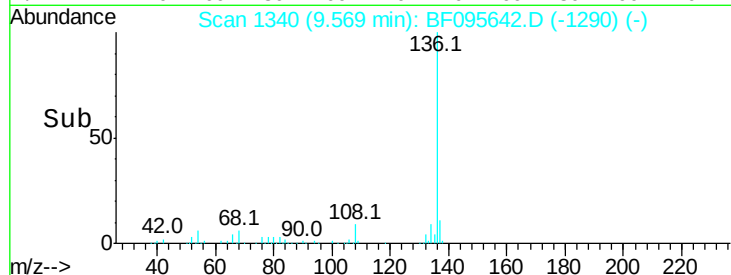
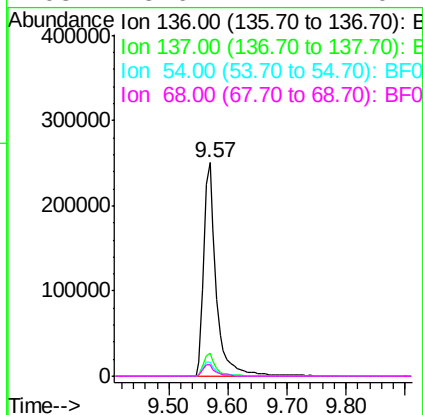
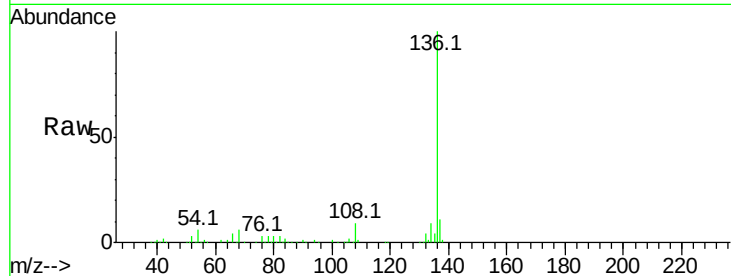
ClientSampleId :

R1-SB-4D12

Tot Ion	Ratio	Resp	Lower	Upper
136	100	371008		
137	10.8		8.5	12.7
54	6.3		4.9	7.3
68	5.6		4.1	6.1

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#23

Nitrobenzene-d5

Concen: 69.88 ng

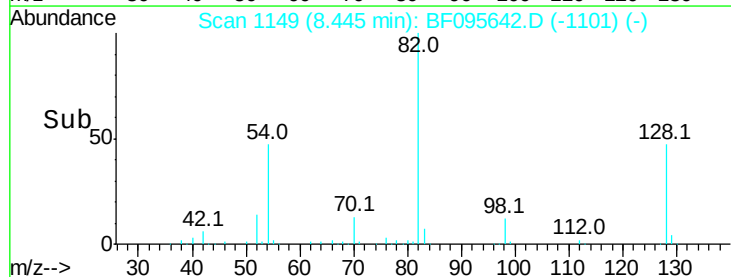
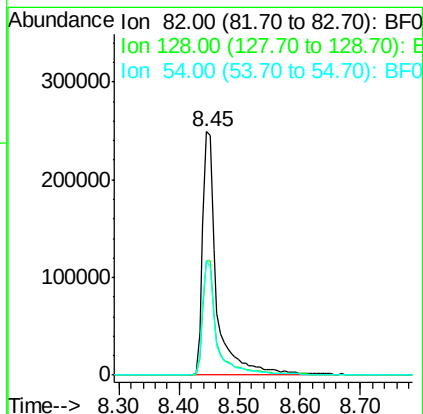
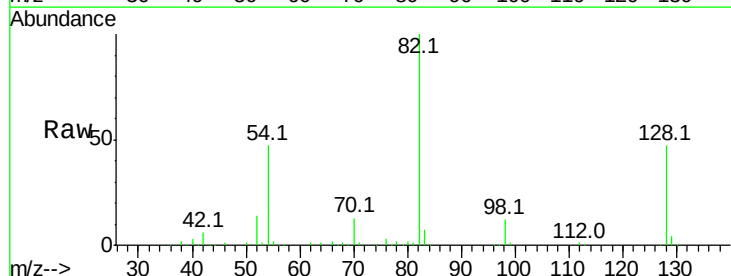
RT: 8.45 min Scan# 1149

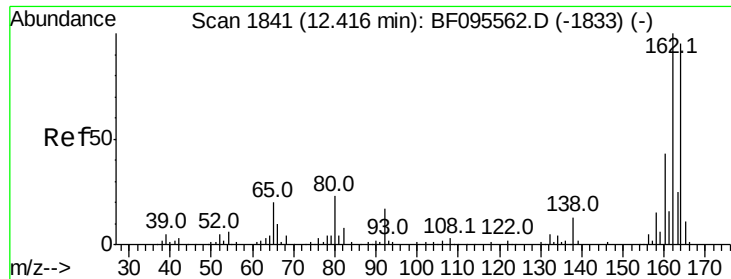
Delta R.T. -0.02 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	411148		
128	46.7		34.0	51.0
54	47.2		42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Instrument :

BNA_F

ClientSampleId :

R1-SB-4D12

Tot Ion:164 Resp: 157881

Ion Ratio Lower Upper

164 100

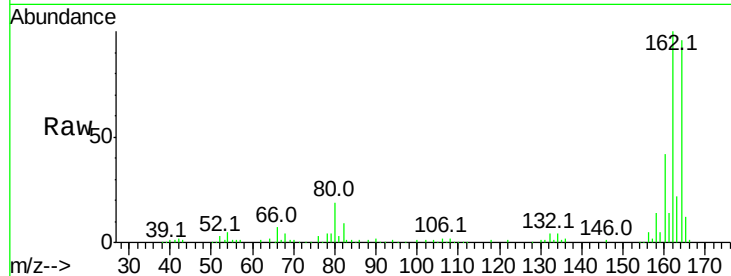
162 104.2 82.6 123.8

160 43.9 36.2 54.2

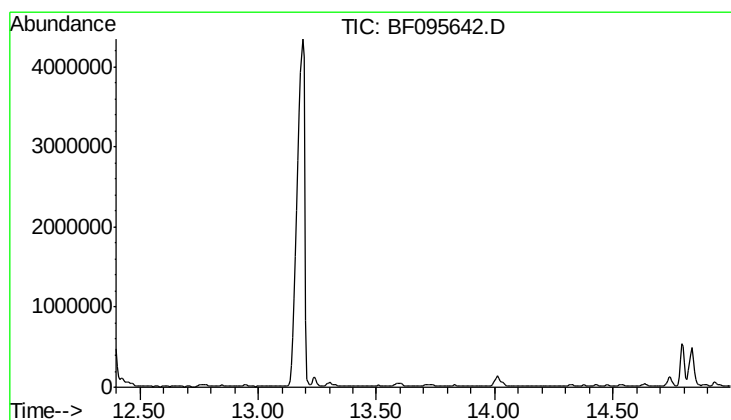
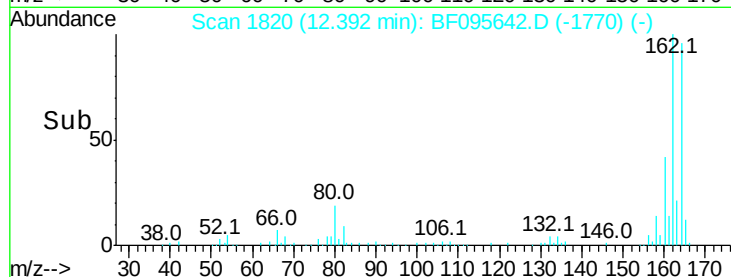
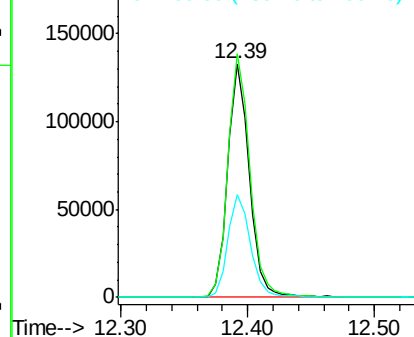
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 13.70 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

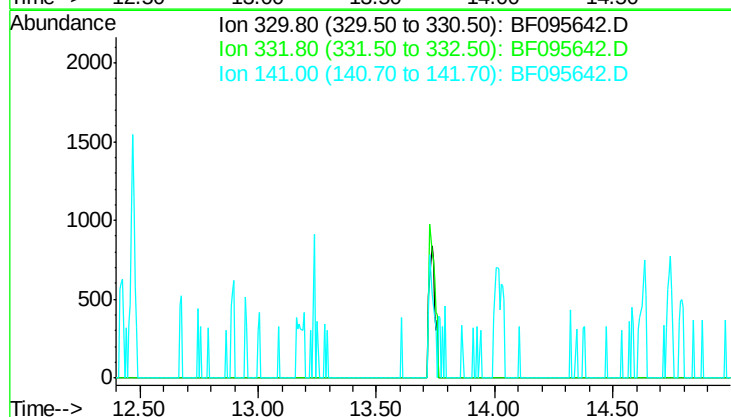
Tgt Ion: 330

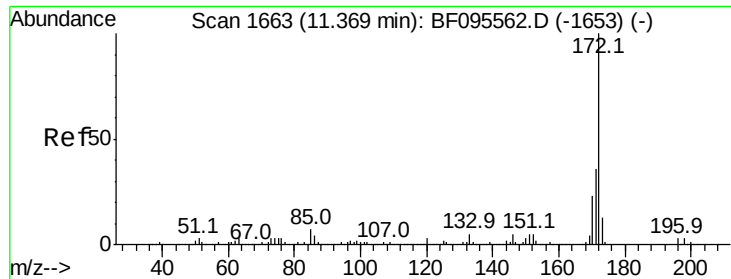
Sig Exp Ratio

330 100

332 95.8

141 39.3





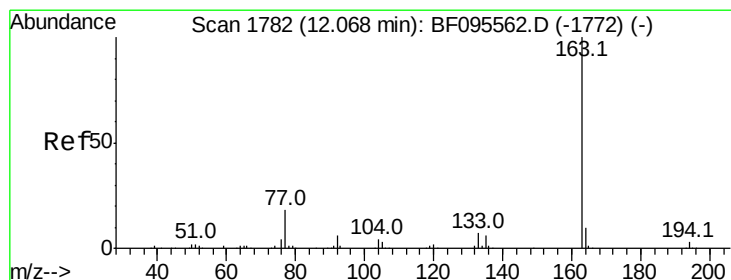
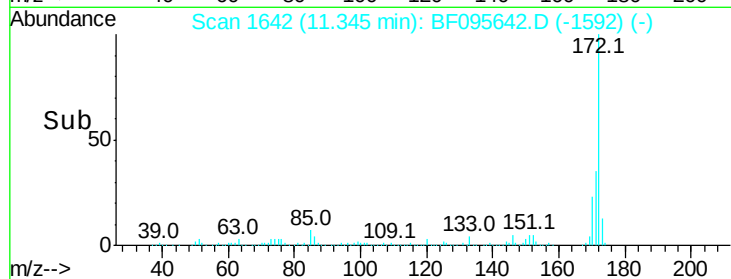
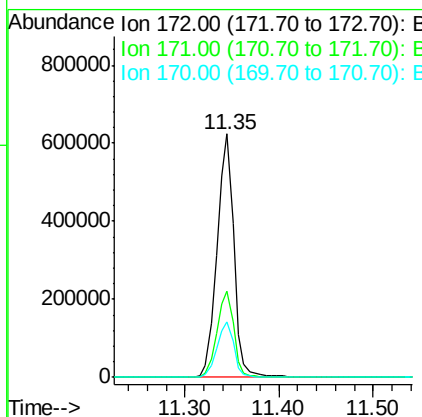
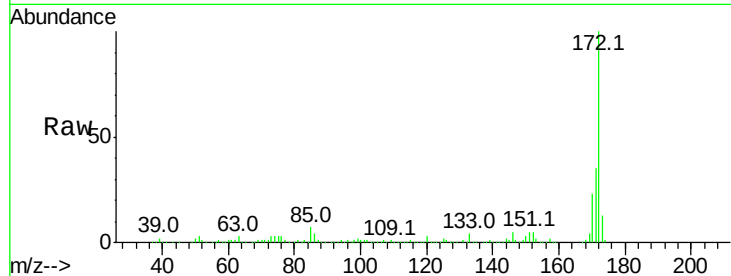
#44
2-Fluorobiphenyl
Concen: 71.66 ng
RT: 11.35 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

Tot Ion	Ratio	Resp	Lower	Upper
172	100	786053		
171	35.3		29.6	44.4
170	22.8		19.8	29.8

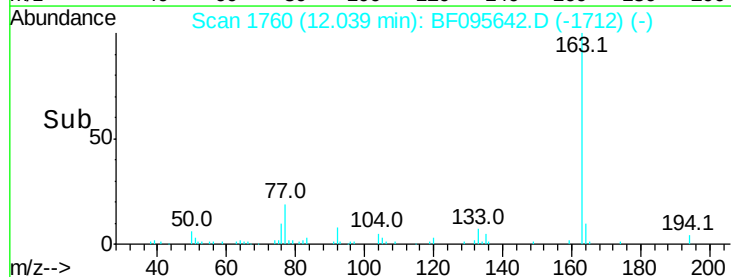
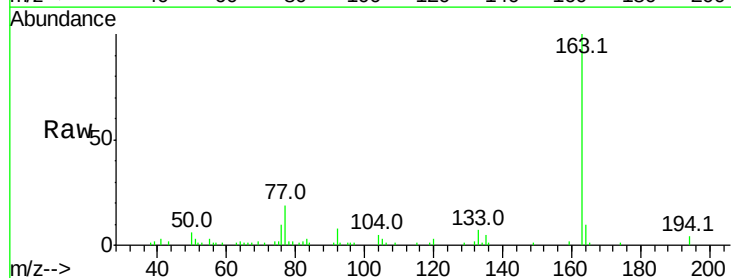
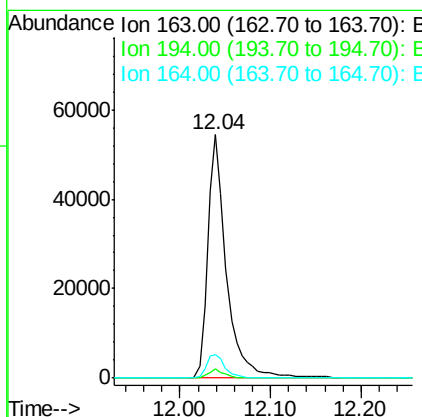
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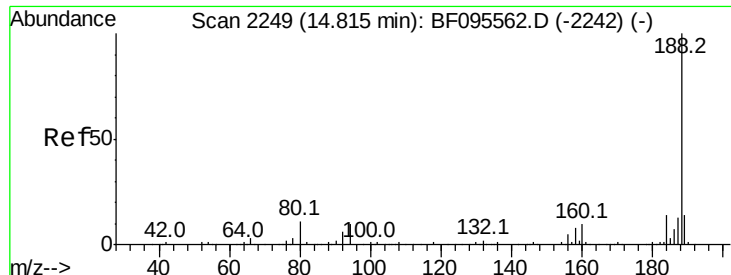
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#49
Dimethylphthalate
Concen: 6.06 ng
RT: 12.04 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	78486		
194	4.0		2.6	4.0#
164	9.9		8.4	12.6





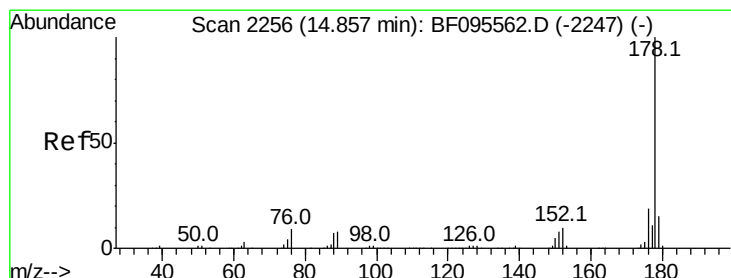
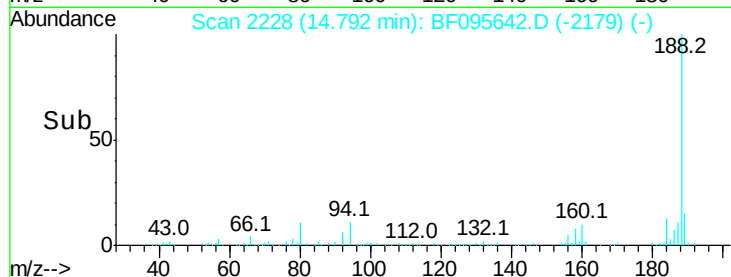
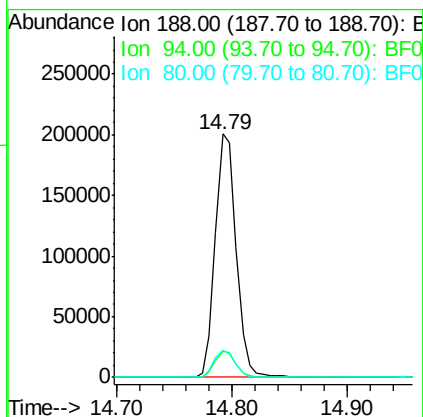
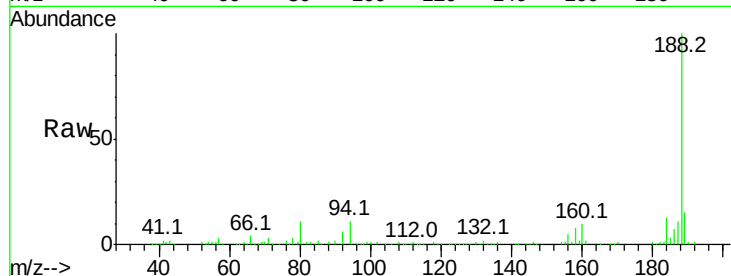
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.79 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF095642.D
 Acq: 2 Jun 2017 19:32

Instrument :
 BNA_F
 ClientSampleID :
 R1-SB-4D12

Tot Ion	Ratio	Resp	Lower	Upper
188	100	253812		
94	10.9		9.4	14.2
80	11.2		10.2	15.2

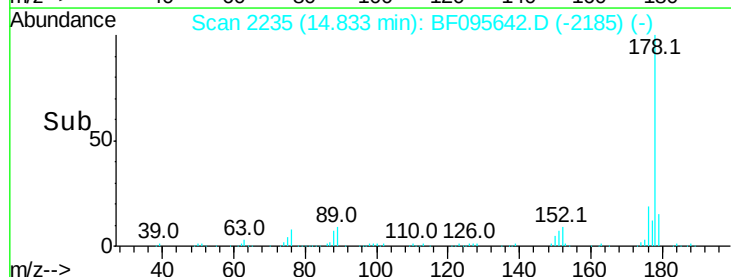
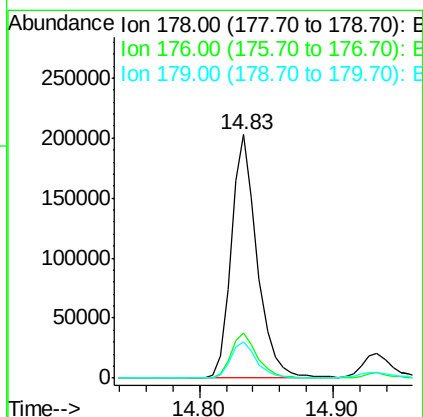
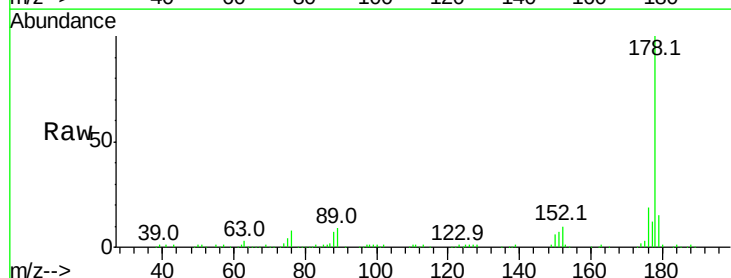
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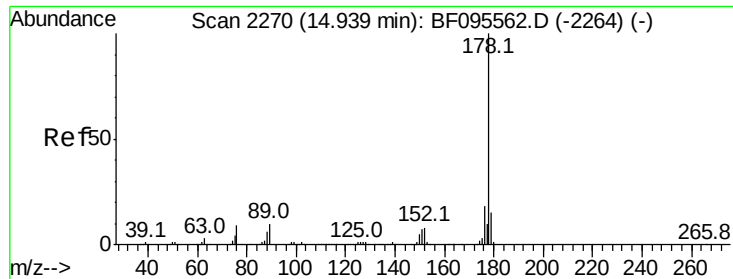
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#70
 Phenanthrene
 Concen: 18.77 ng
 RT: 14.83 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF095642.D
 Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	273661		
176	18.6		16.2	24.4
179	14.8		12.6	19.0





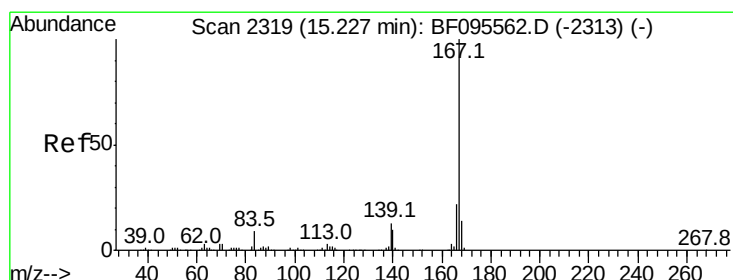
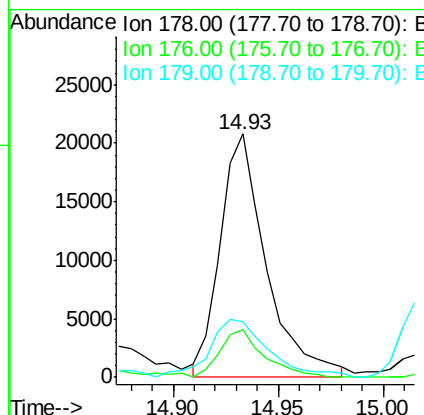
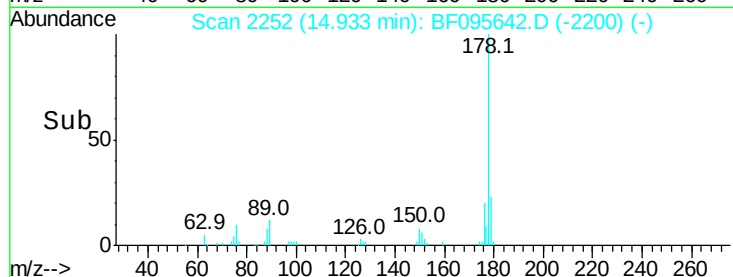
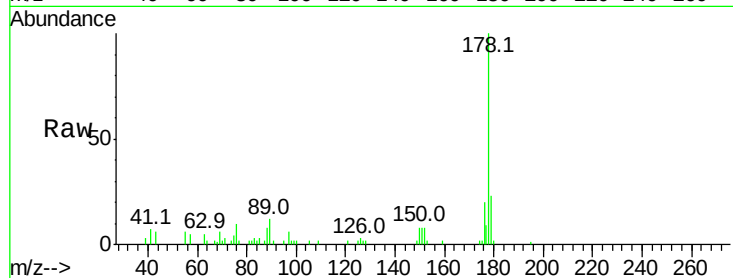
#71
 Anthracene
 Concen: 2.13 ng/ml
 RT: 14.93 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF095642.D
 Acq: 2 Jun 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	22.7	12.7	19.1

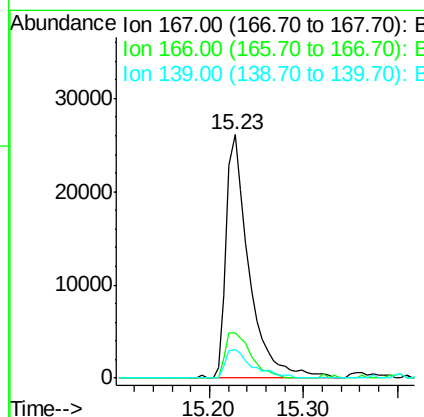
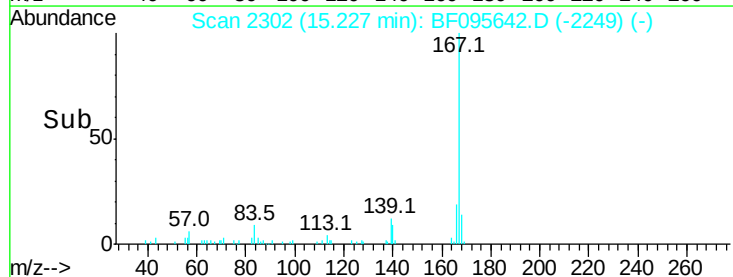
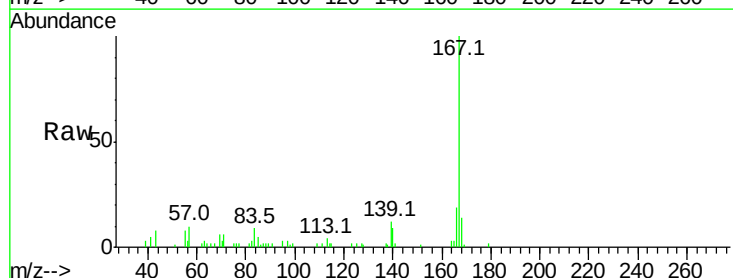
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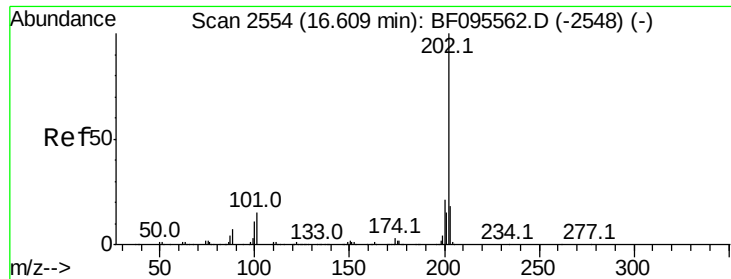
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#72
 Carbazole
 Concen: 3.28 ng
 RT: 15.23 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: BF095642.D
 Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	18.6	18.1	27.1
139	11.8	11.7	17.5





#74

Fluoranthene

Concen: 29.19 ng

RT: 16.60 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Instrument :

BNA_F

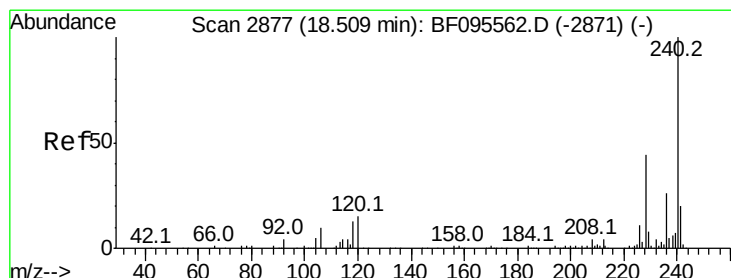
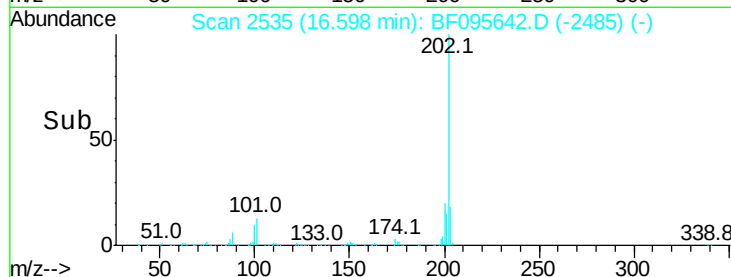
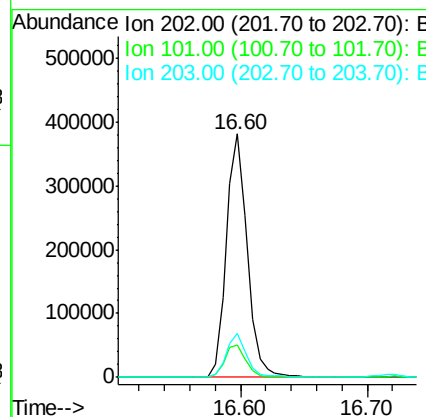
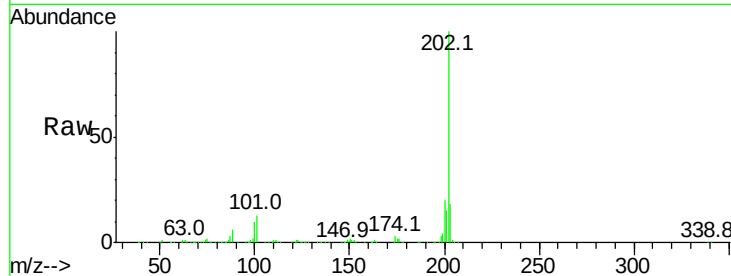
ClientSampleId :

R1-SB-4D12

Tot Ion:	202	Resp:	436593
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	33.2
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

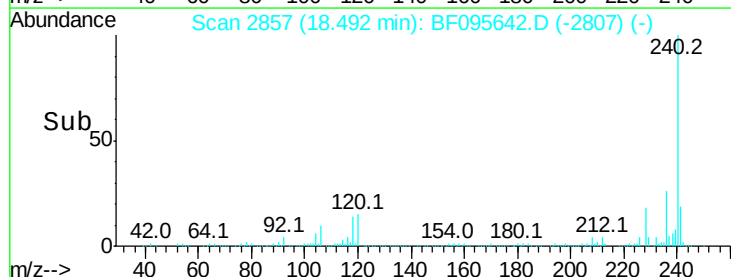
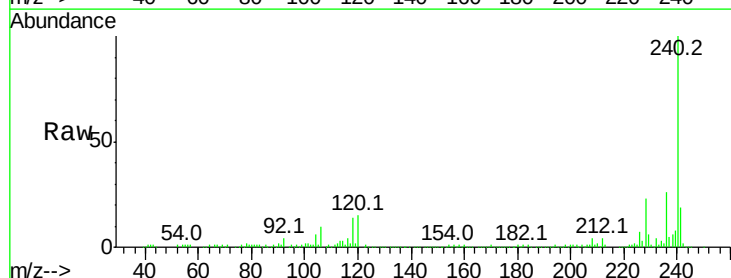
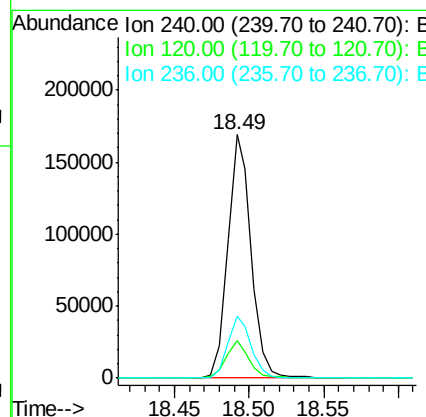
RT: 18.49 min Scan# 2857

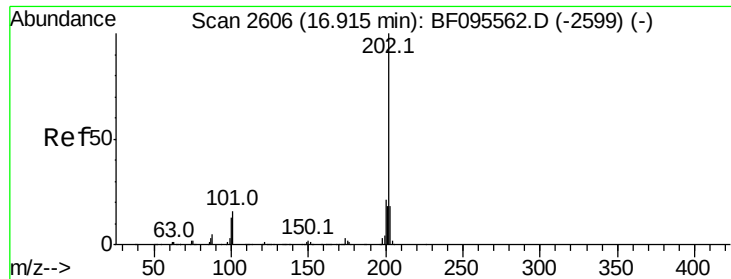
Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Tgt Ion:	240	Resp:	186336
Ion Ratio	Lower	Upper	
240	100		
120	15.3	5.8	8.8#
236	25.5	20.5	30.7





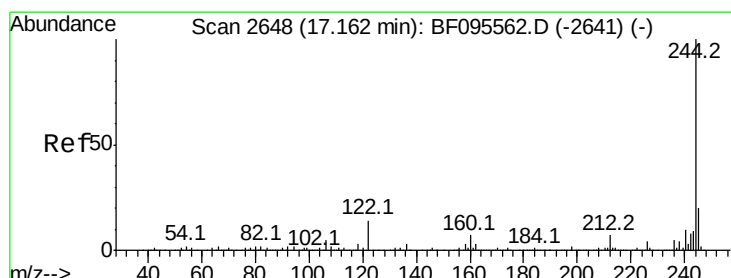
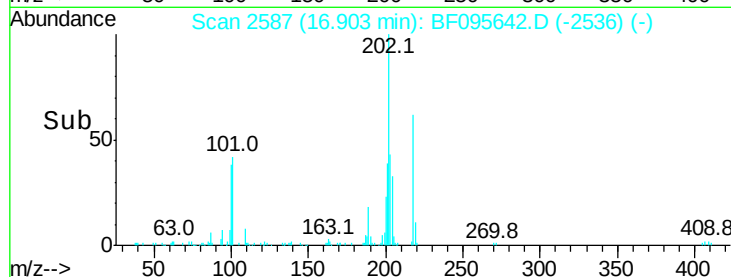
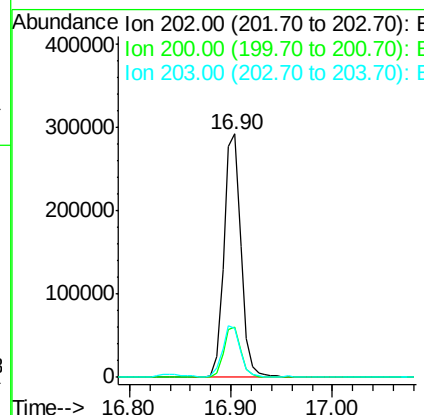
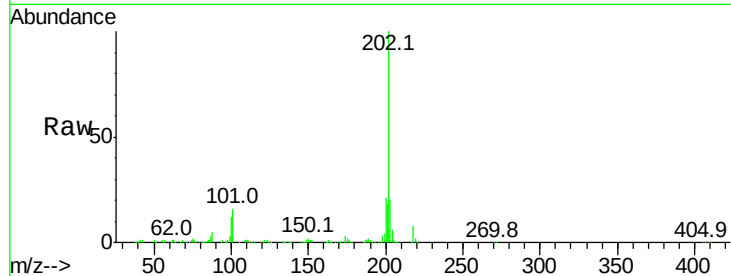
#77
Pvrene
Concen: 24.24 ng
RT: 16.90 min Scan# 2587
Delta R.T. -0.00 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.6	26.4
203	20.0	14.4	21.6

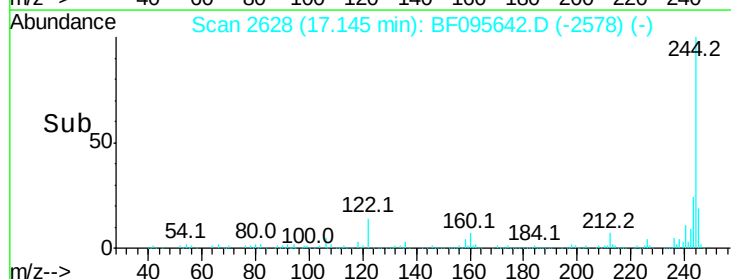
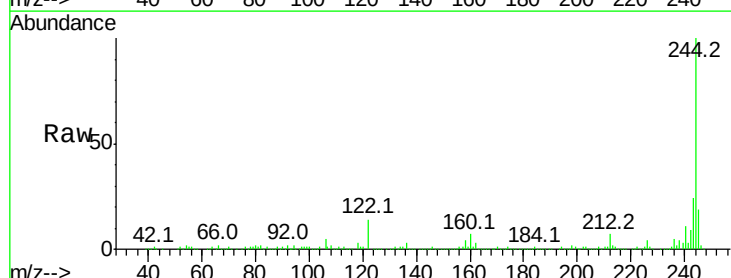
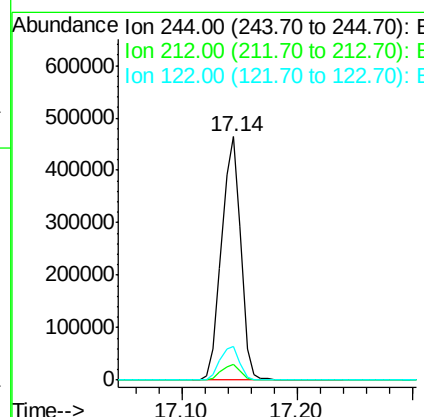
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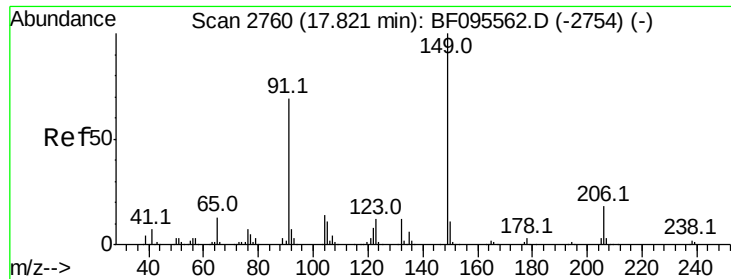
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#78
Terphenyl-d14
Concen: 63.23 ng
RT: 17.14 min Scan# 2628
Delta R.T. -0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	6.0	9.0
122	13.8	10.3	15.5





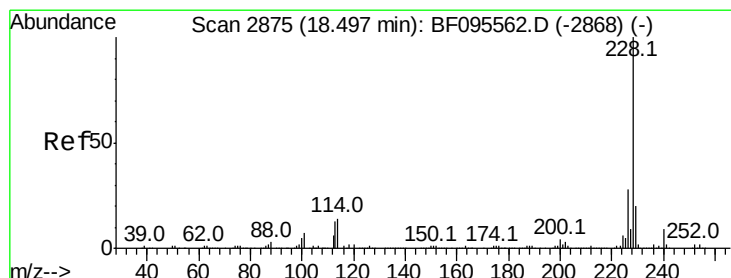
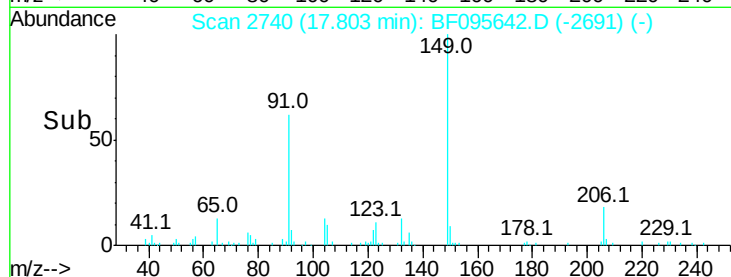
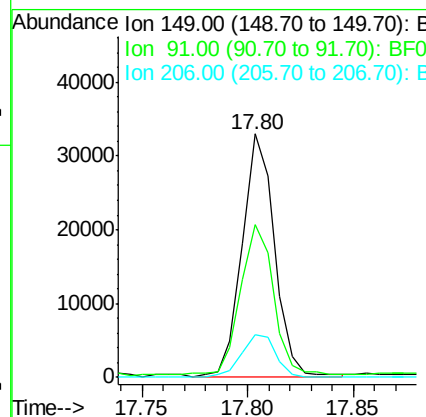
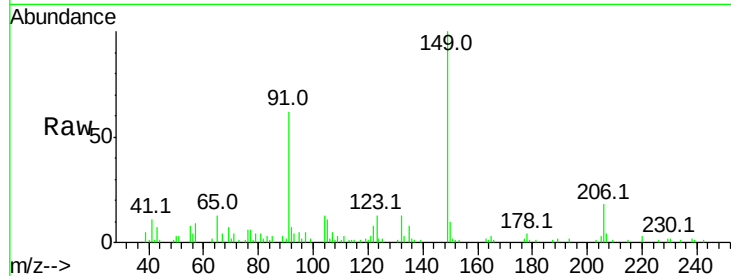
#79
Butylbenzylphthalate
Concen: 5.47 ng
RT: 17.80 min Scan# 2740
Delta R.T. -0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

Tot Ion:	149	Resp:	35446
Ion Ratio	Lower	Upper	
149	100		
91	62.5	45.0	67.4
206	17.6	17.0	25.6

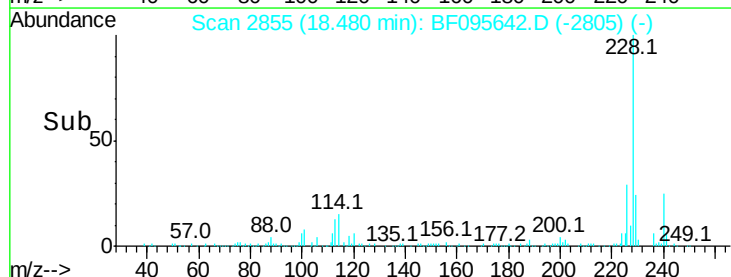
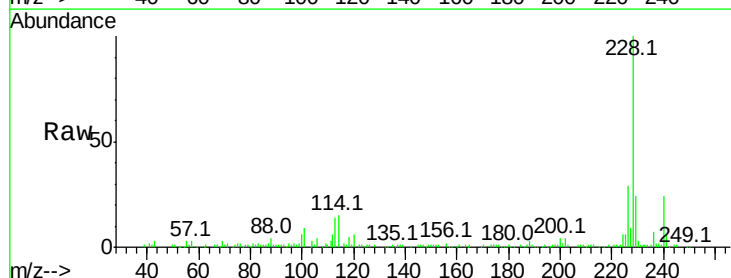
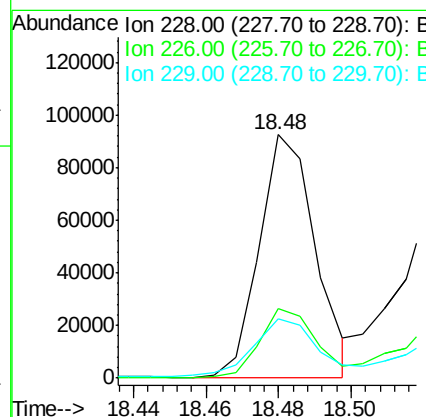
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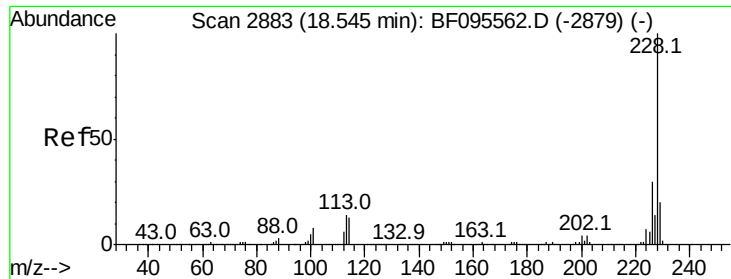
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#80
Benzo(a)anthracene
Concen: 9.12 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion:	228	Resp:	98892
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	24.2	16.3	24.5





#82

Chrysene

Concen: 12.69 ng/mL

RT: 18.53 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Instrument :

BNA_F

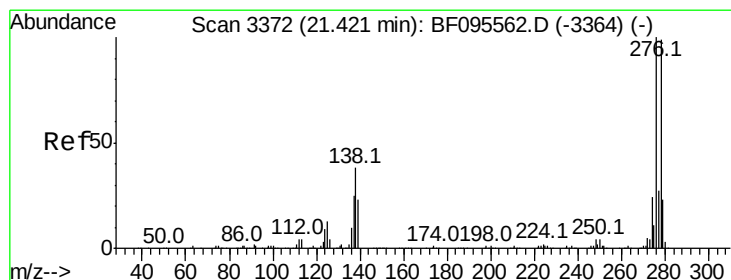
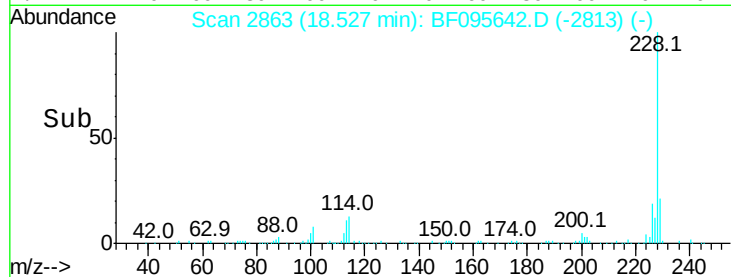
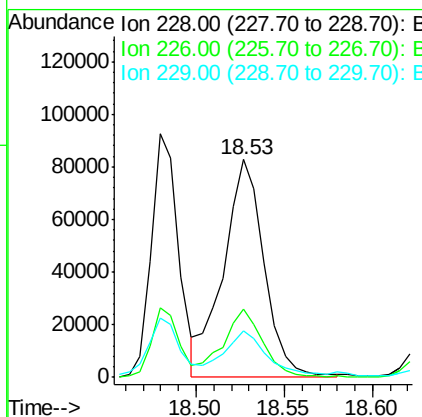
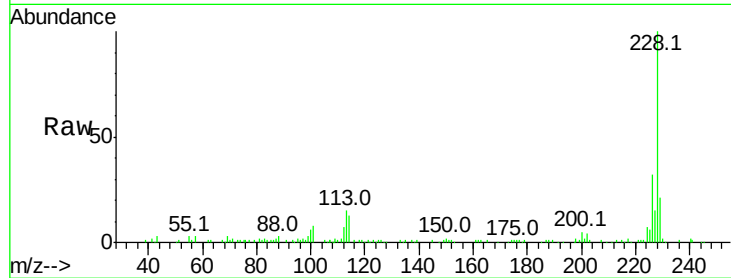
ClientSampleId :

R1-SB-4D12

Tot Ion:	228	Resp:	133051
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	21.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.95 ng/mL

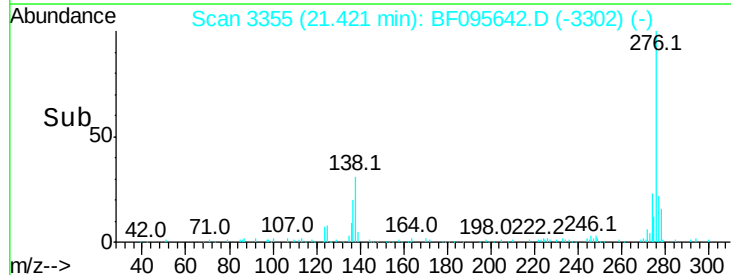
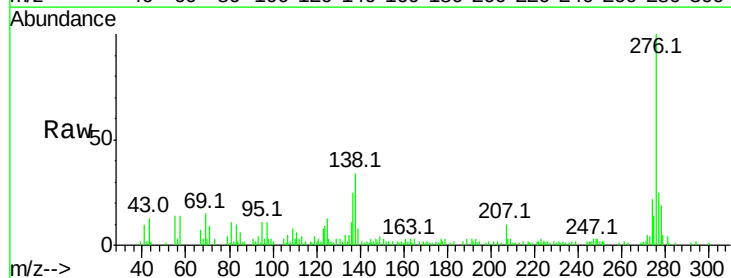
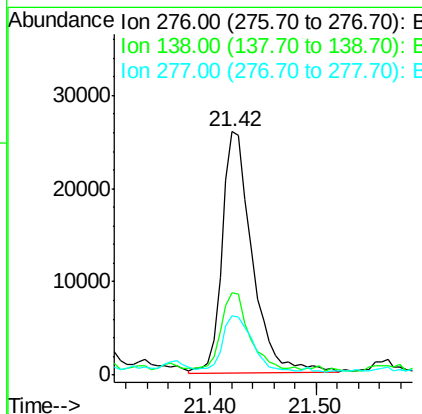
RT: 21.42 min Scan# 3355

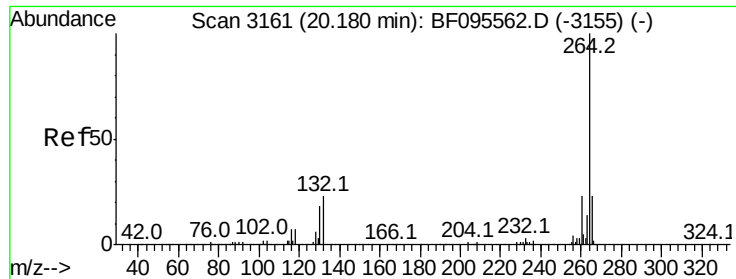
Delta R.T. 0.01 min

Lab File: BF095642.D

Acq: 2 Jun 2017 19:32

Tgt Ion:	276	Resp:	50680
Ion Ratio	Lower	Upper	
276	100		
138	31.6	27.8	41.6
277	24.1	20.2	30.4





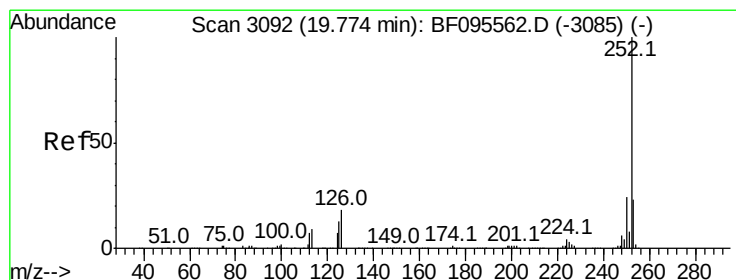
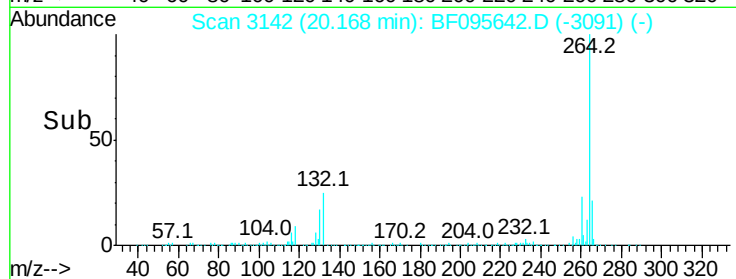
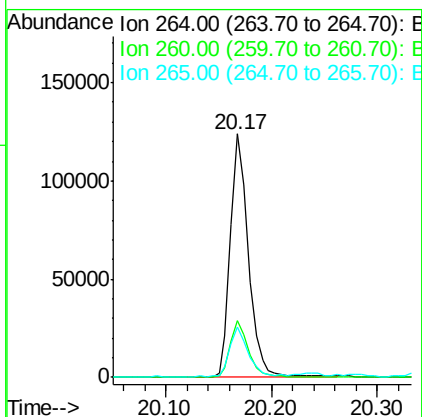
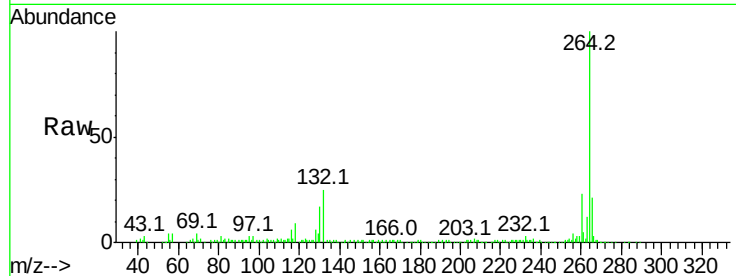
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.8	17.2	25.8

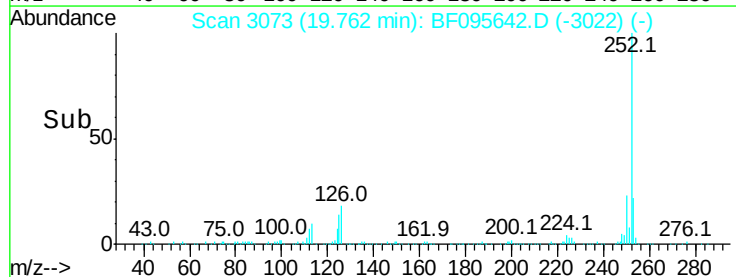
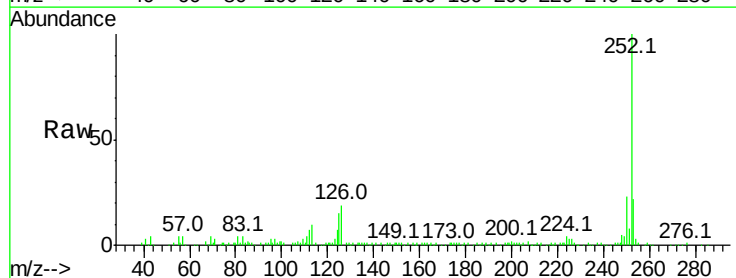
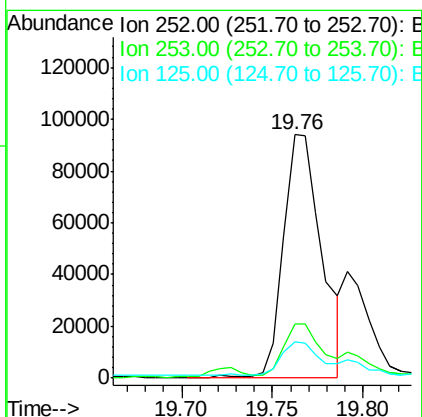
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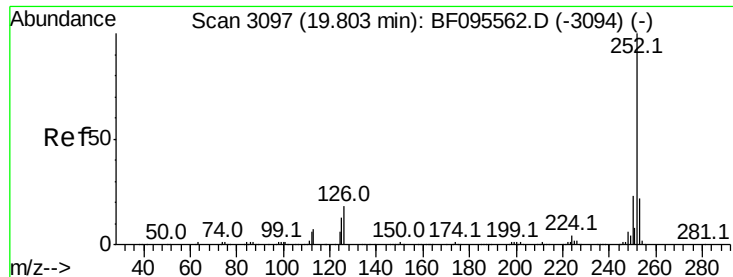
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#87
Benzo(b)fluoranthene
Concen: 15.39 ng
RT: 19.76 min Scan# 3073
Delta R.T. -0.00 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.1	9.8	14.8





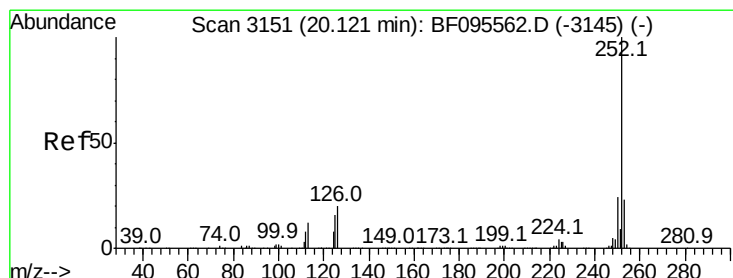
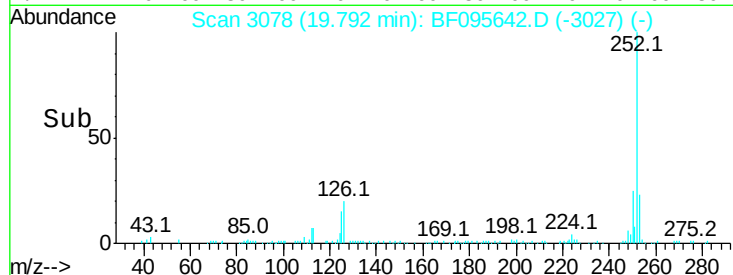
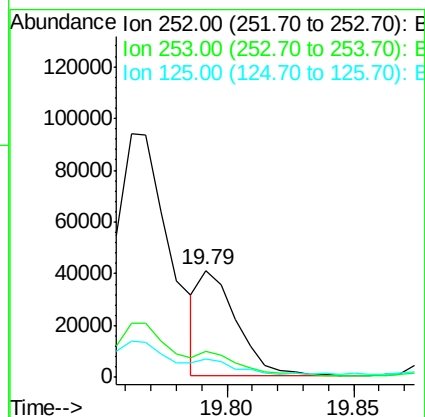
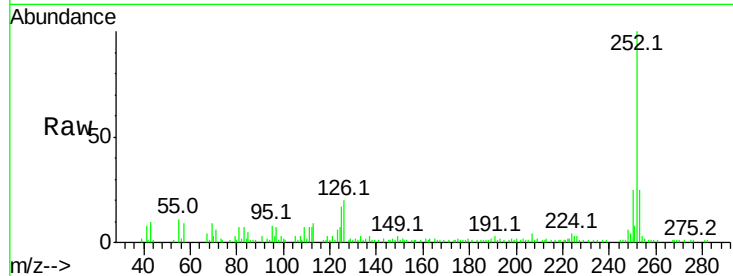
#88
Benzo(k)fluoranthene
Concen: 4.78 ng m
RT: 19.79 min Scan# 3078
Delta R.T. -0.00 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12

Tot Ion:	252	Resp:	41795
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.4	27.6
125	16.9	13.1	19.7

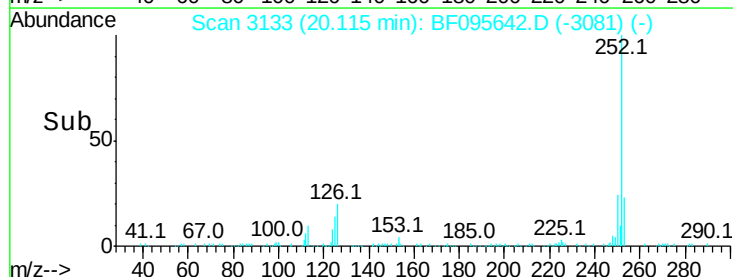
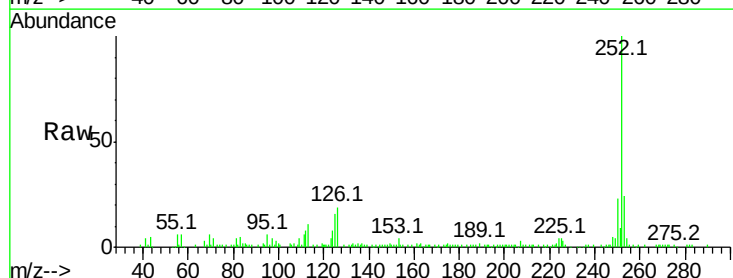
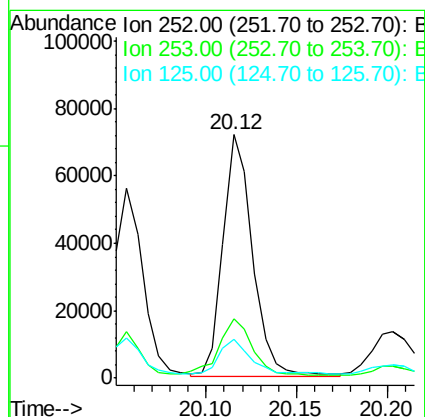
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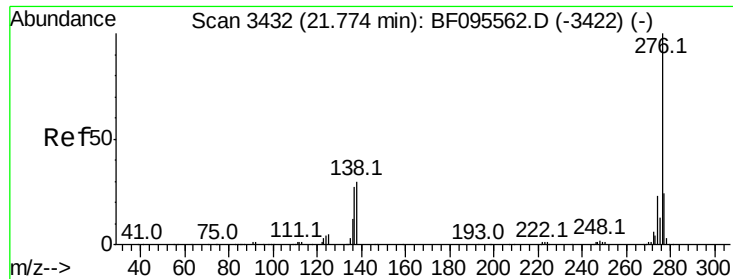
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#89
Benzo(a)pyrene
Concen: 9.83 ng
RT: 20.12 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BF095642.D
Acq: 2 Jun 2017 19:32

Tgt Ion:	252	Resp:	82230
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	15.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.07 ng
 RT: 21.79 min Scan# 3417
 Delta R.T. 0.03 min
 Lab File: BF095642.D
 Acq: 2 Jun 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12

Tot Ion:	276	Resp:	47949
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.6	28.0
138	30.2	25.4	38.0

Manual Integrations
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