

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100095.D
 Acq On : 2 Nov 2017 19:55
 Operator : SJ/JU
 Sample : I6233-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6-8)

Manual Integrations
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 11/3/2017 11:19:45 AM

Quant Time: Nov 02 20:31:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	88991	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	357900	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	156125	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	252330	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	149109	20.00	ng	-0.02
86) Perylene-d12	15.41	264	152193	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	584111	103.05	ng	0.00
7) Phenol-d6	6.42	99	707887	105.32	ng	-0.01
23) Nitrobenzene-d5	7.34	82	397888	71.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	148285	104.22	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	786678	77.74	ng	0.00
78) Terphenyl-d14	12.88	244	537851	78.83	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.67	152	49260	3.118	ng	Qvalue 100
49) Dimethylphthalate	9.52	163	135977	10.998	ng	99
70) Phenanthrene	11.32	178	252296	17.717	ng	98
71) Anthracene	11.37	178	97945	6.776	ng	99
74) Fluoranthene	12.52	202	455054	30.749	ng	99
77) Pyrene	12.74	202	370679	32.693	ng	99
80) Benzo(a)anthracene	13.94	228	192645	20.380	ng	99
82) Chrysene	13.97	228	148464	16.707	ng	98
85) Indeno(1,2,3-cd)pyrene	16.88	276	83780	10.270	ng	92
87) Benzo(b)fluoranthene	14.99	252	190620m	19.835	ng	
88) Benzo(k)fluoranthene	15.01	252	69084m	7.623	ng	
89) Benzo(a)pyrene	15.35	252	145761	16.885	ng	98
90) Dibenzo(a,h)anthracene	16.87	278	20168	2.629	ng	# 78
91) Benzo(g,h,i)perylene	17.32	276	68366	9.110	ng	92

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

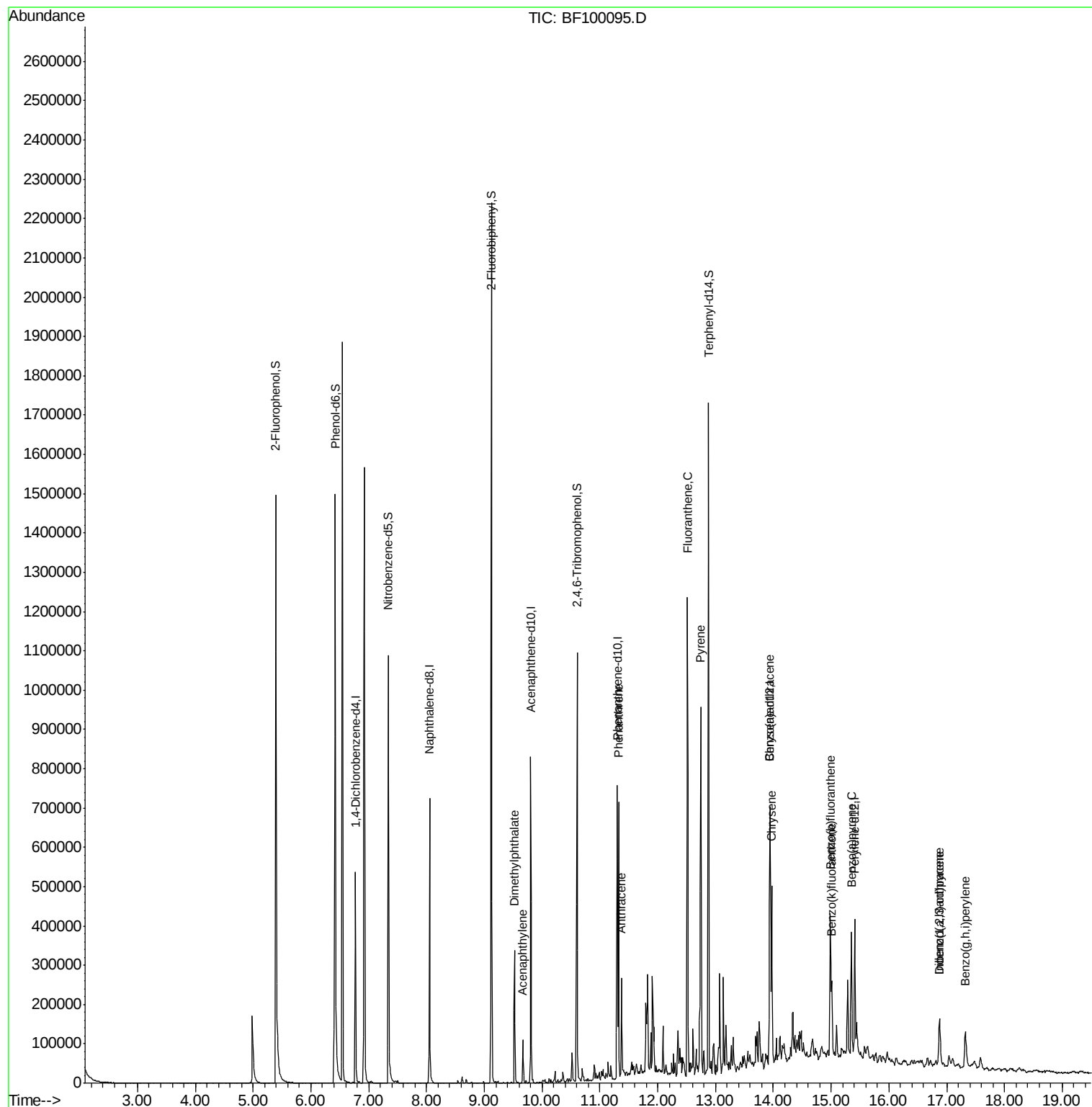
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100095.D
Acq On : 2 Nov 2017 19:55
Operator : SJ/JU
Sample : I6233-03
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ALS Vial : 20 Sample Multiplier: 1

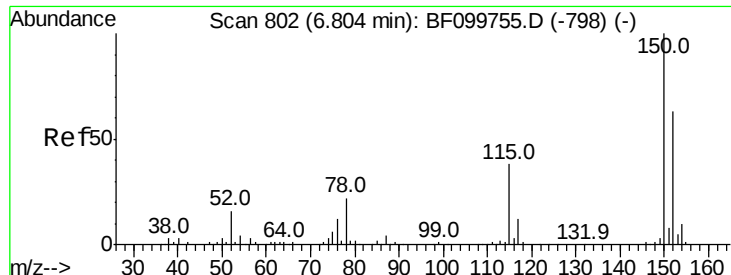
Instrument :
BNA_F
ClientSampleId :
SB-3(6-8)

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11/3/2017 11:19:45 AM

Quant Time: Nov 02 20:31:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

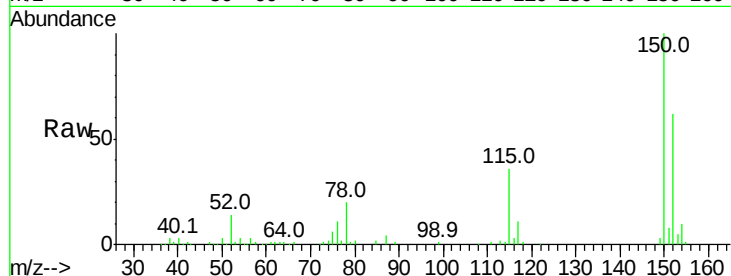
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :
SB-3(6-8)

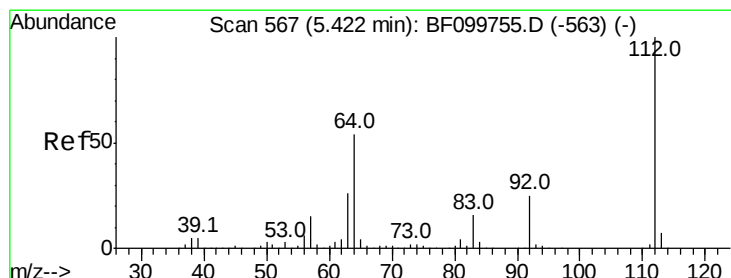
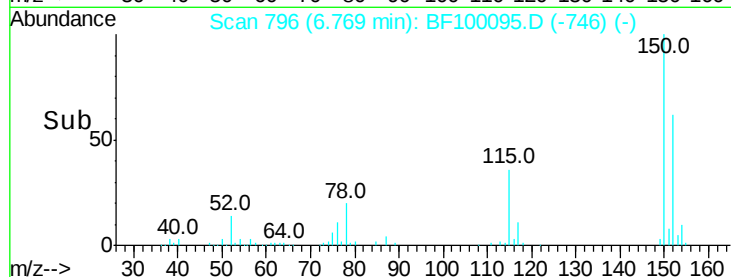
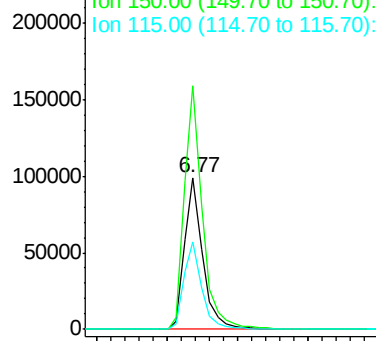
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	57.7	50.1	75.1

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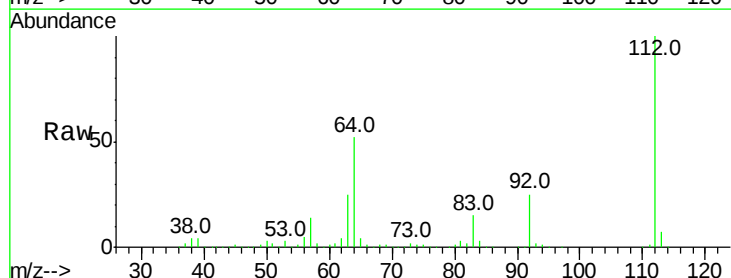
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



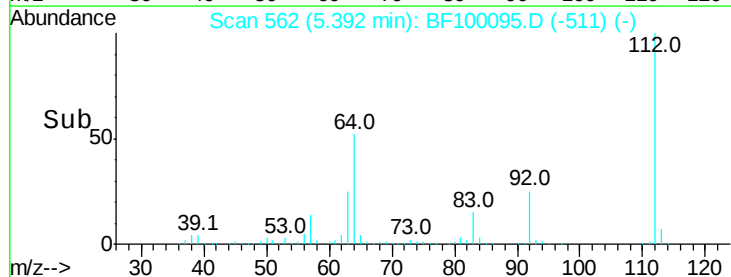
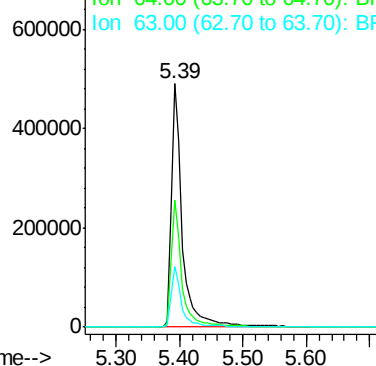
#5

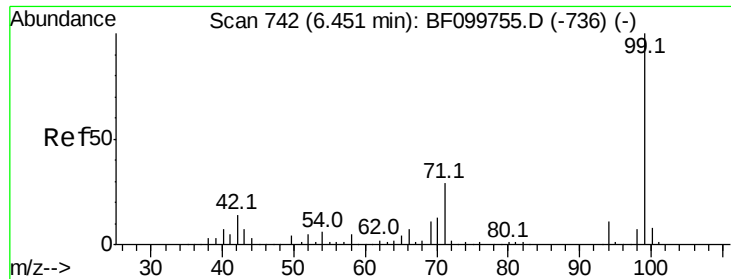
2-Fluorophenol
Concen: 103.048 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	25.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.324 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

ClientSampleId :

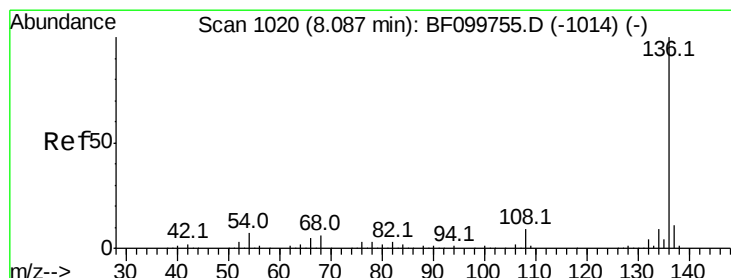
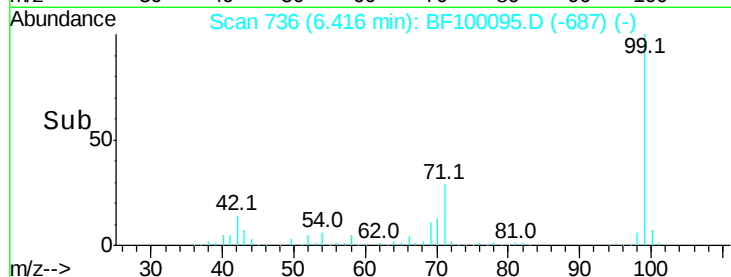
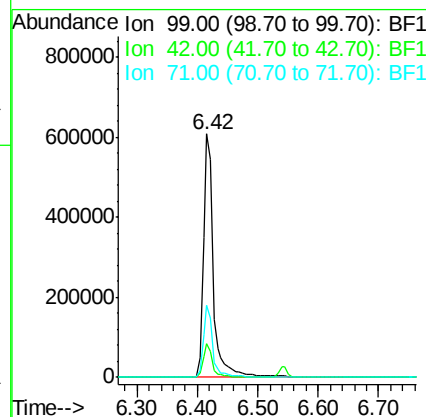
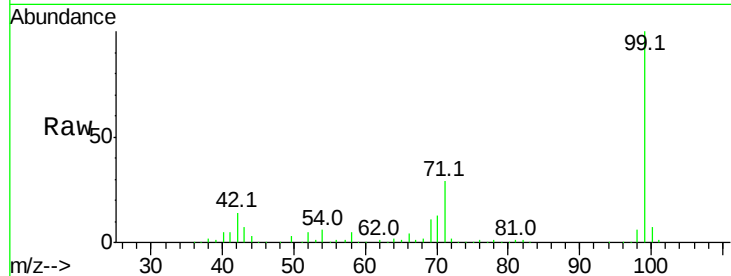
SB-3(6-8)

Tot Ion: 99 Resp: 707887

Ion	Ratio	Lower	Upper
99	100		
42	13.7	14.5	21.7#
71	29.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

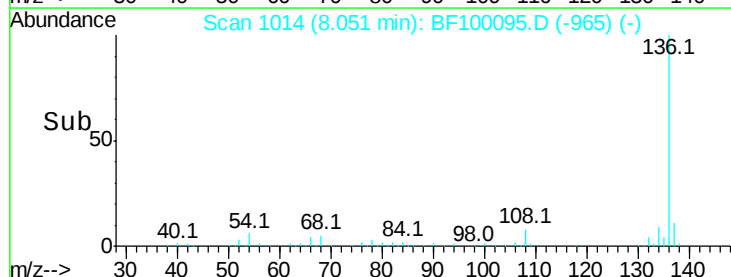
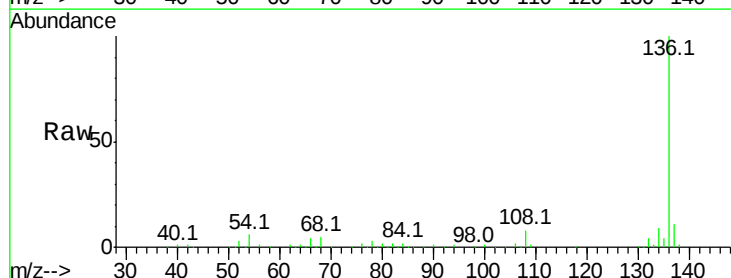
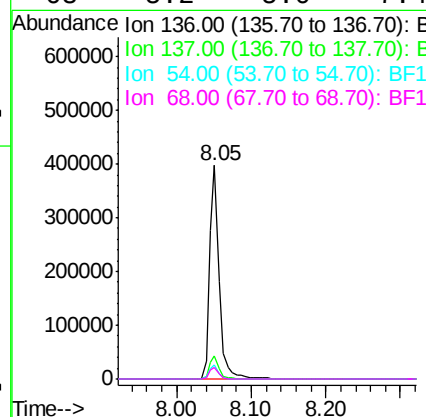
Delta R.T. -0.01 min

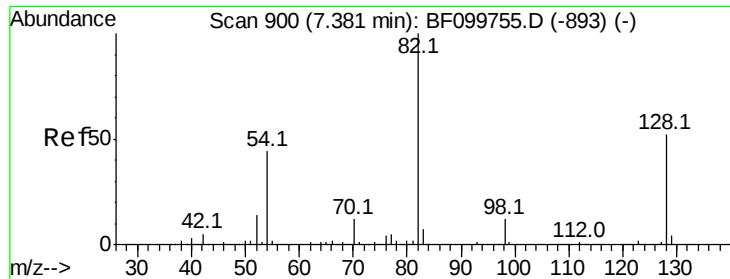
Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Tgt Ion: 136 Resp: 357900

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.4	6.6	9.8#
68	5.2	5.0	7.4





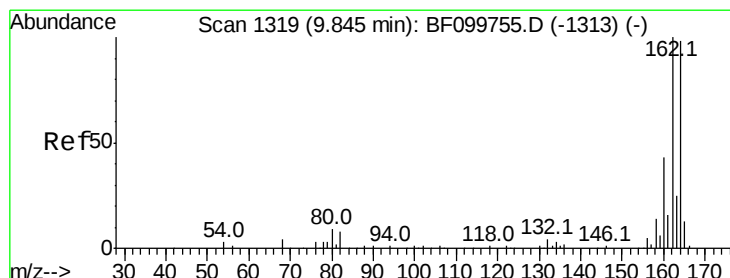
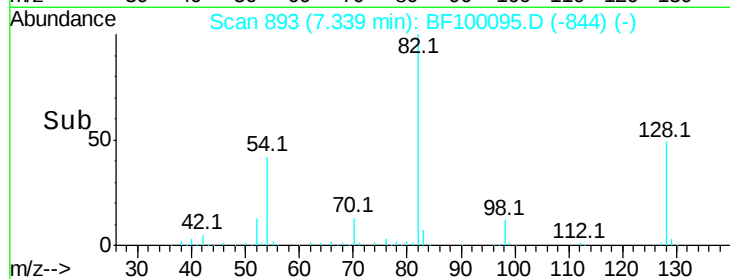
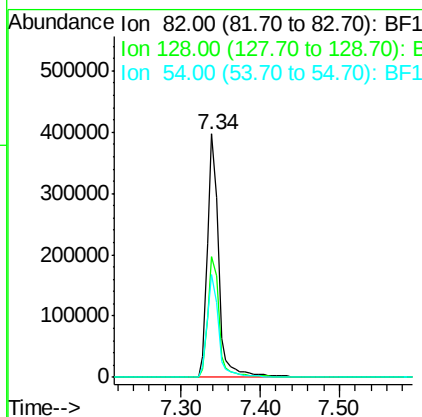
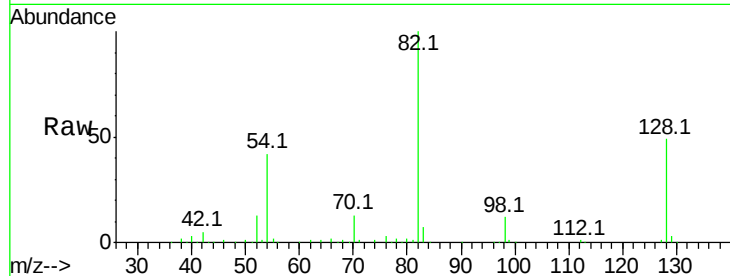
#23
 Nitrobenzene-d5
 Concen: 71.574 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampled :
 SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	42.5	41.4	62.2

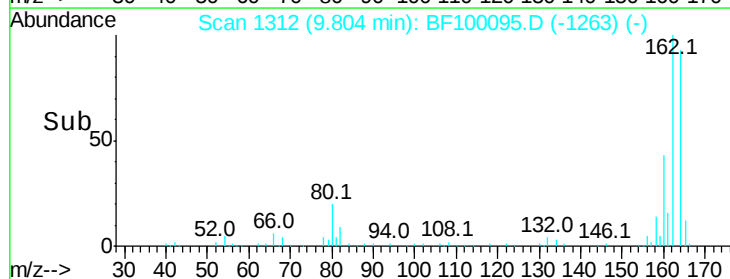
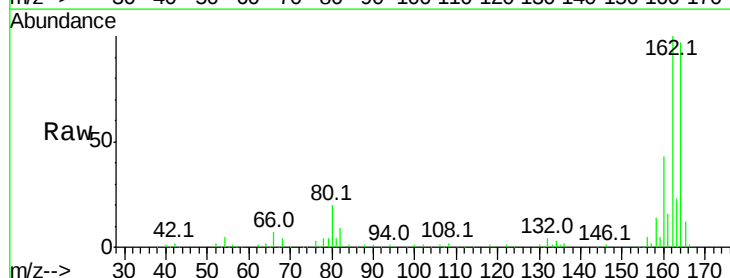
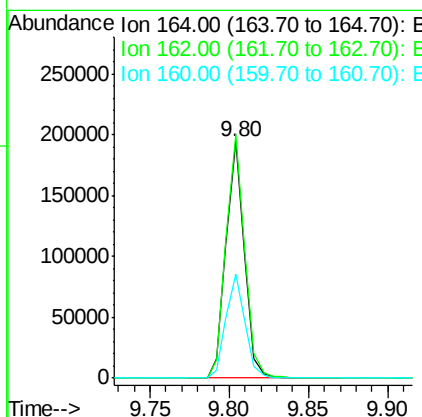
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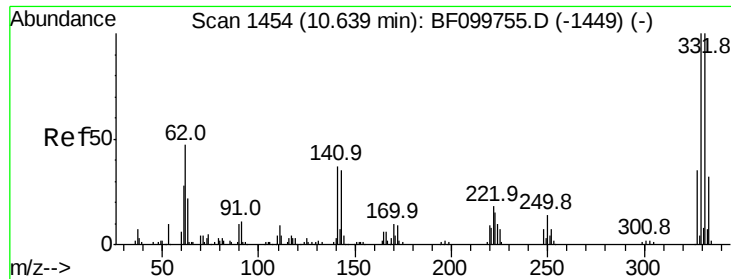
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	43.8	38.3	57.5





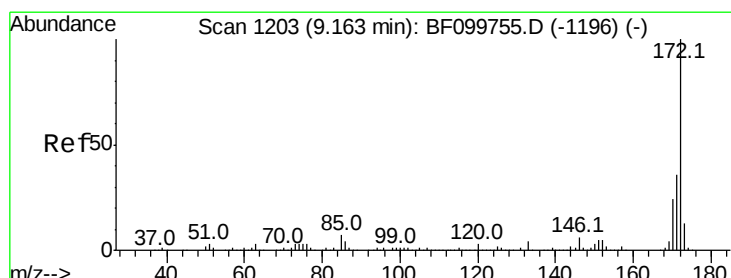
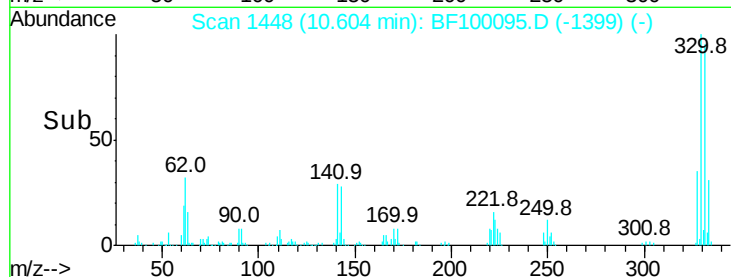
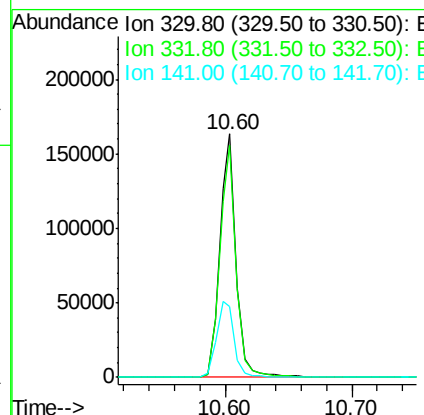
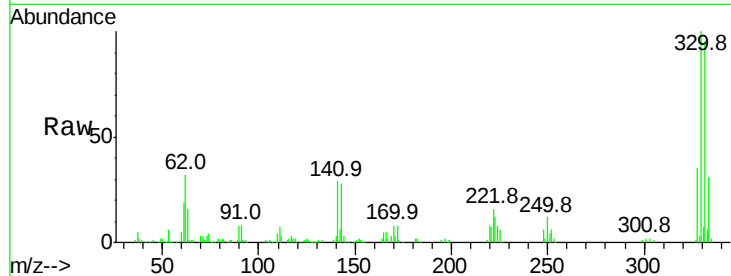
#41
 2,4,6-Tribromophenol
 Concen: 104.221 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	148285		
332	95.5	77.0	115.6	
141	34.3	29.9	44.9	

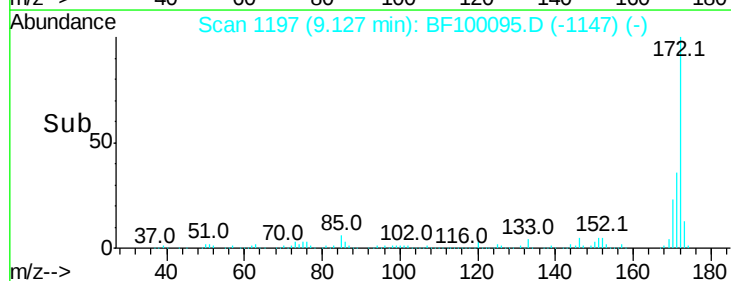
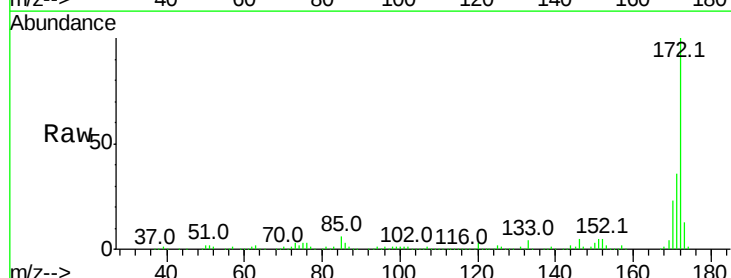
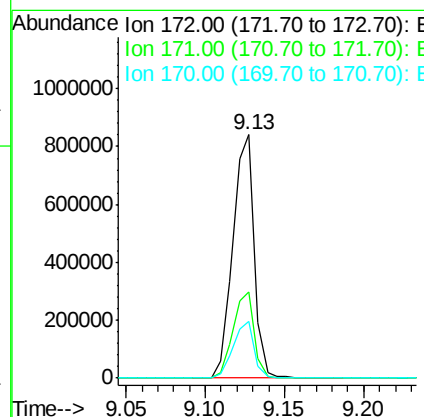
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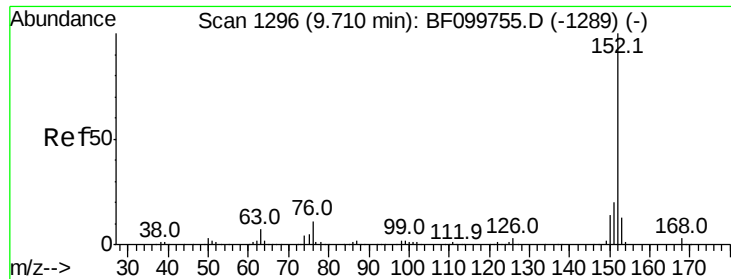
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#44
 2-Fluorobiphenyl
 Concen: 77.740 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	786678		
171	35.6	29.7	44.5	
170	23.4	19.6	29.4	





#48

Acenaphthylene

Concen: 3.118 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

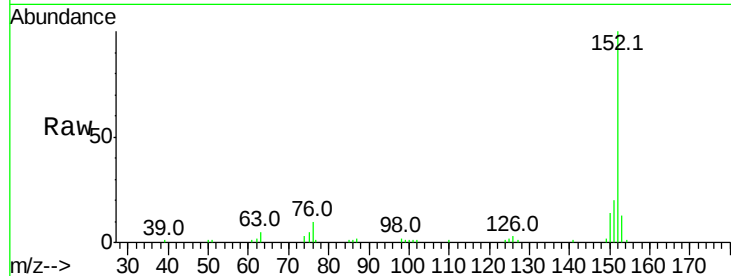
ClientSampleId :

SB-3(6-8)

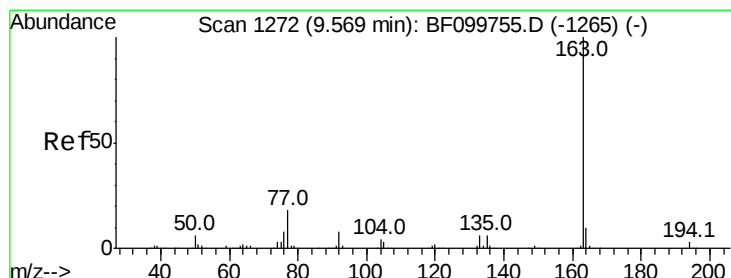
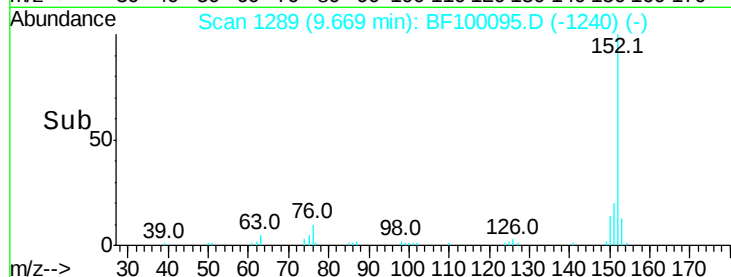
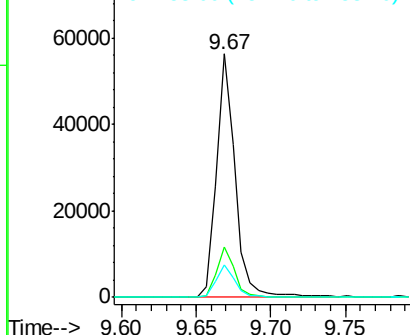
Tot Ion:	152	Resp:	49260
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.1	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 10.998 ng

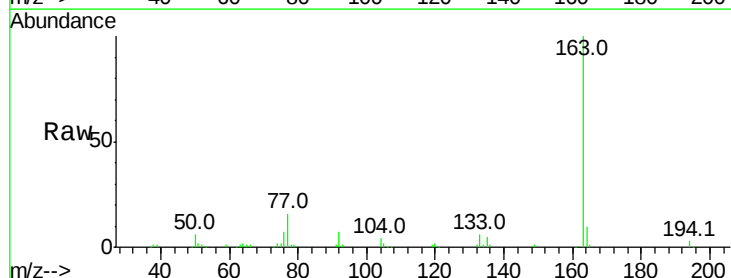
RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

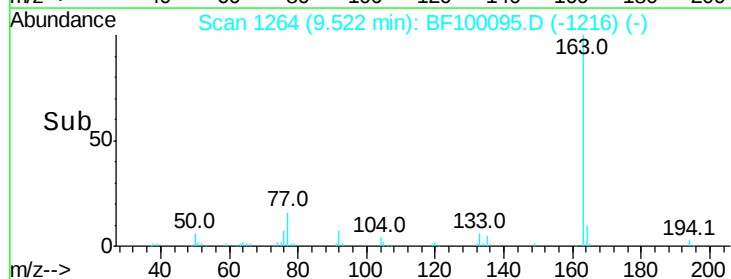
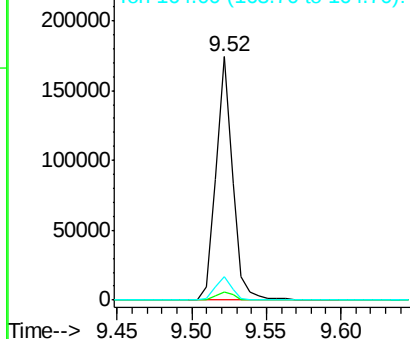
Lab File: BF100095.D

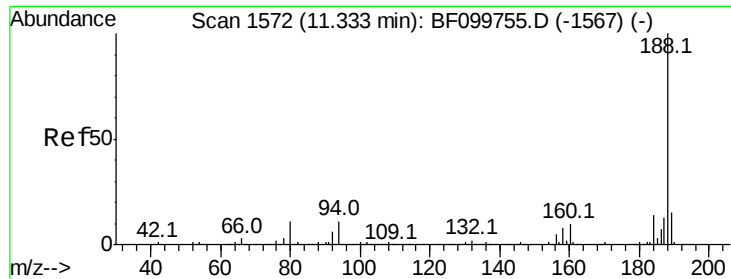
Acq: 2 Nov 2017 19:55

Tgt Ion:	163	Resp:	135977
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.8	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





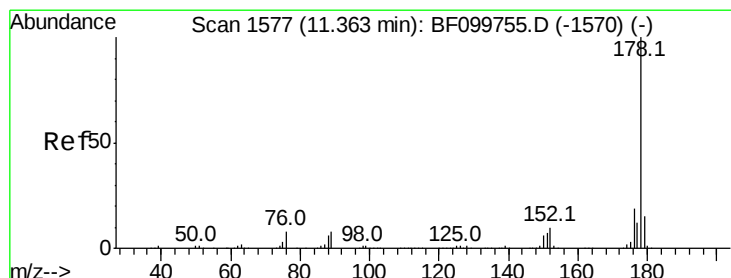
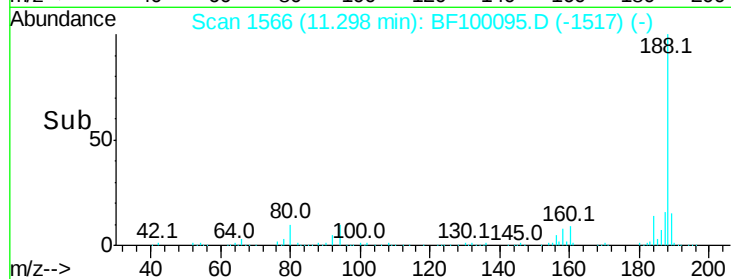
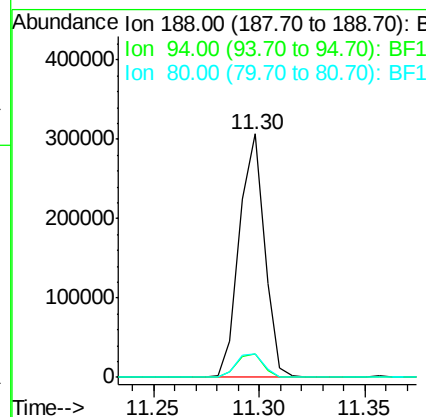
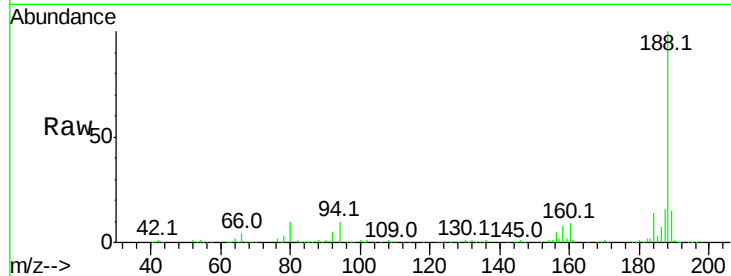
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :
SB-3(6-8)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.8	9.2	13.8

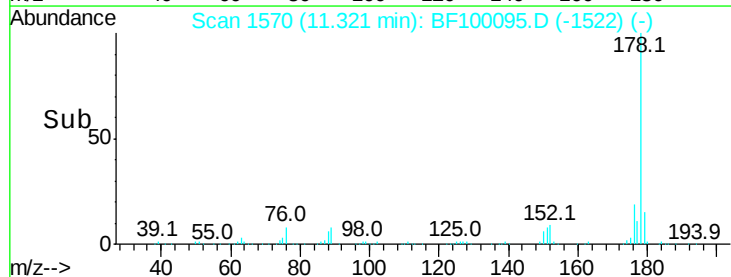
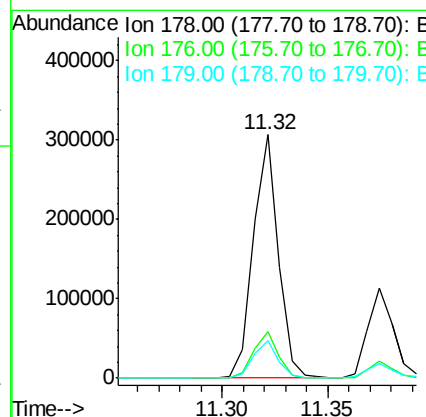
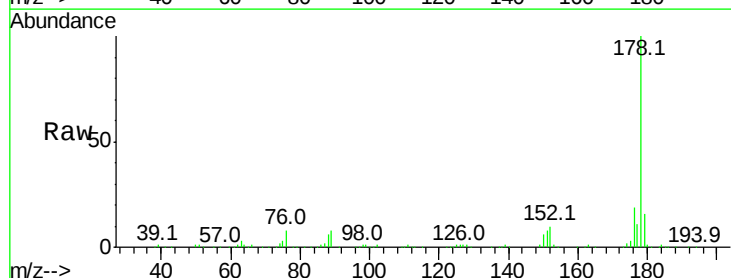
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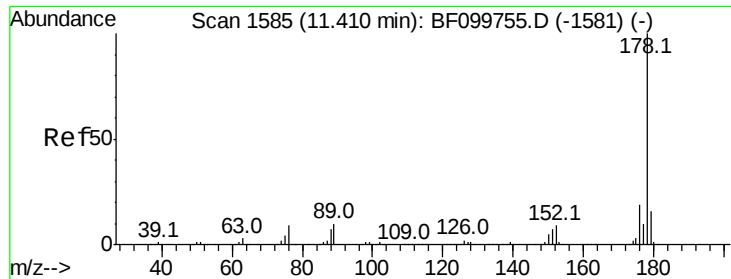
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#70
Phenanthrene
Concen: 17.717 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	13.0	19.6





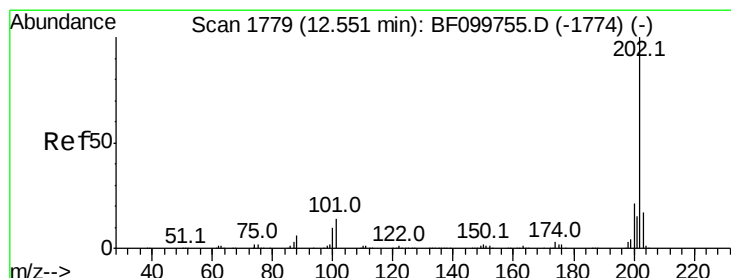
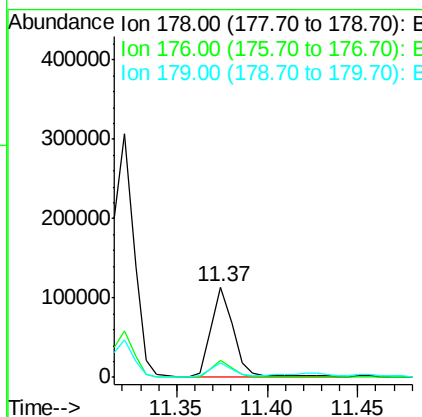
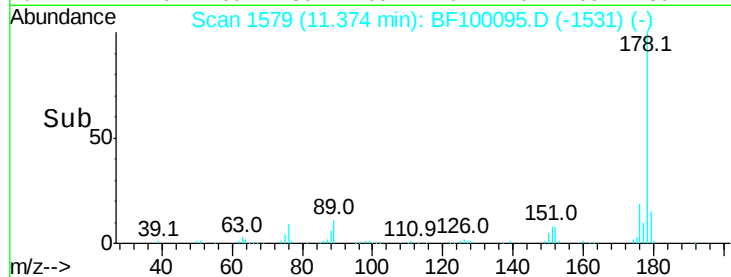
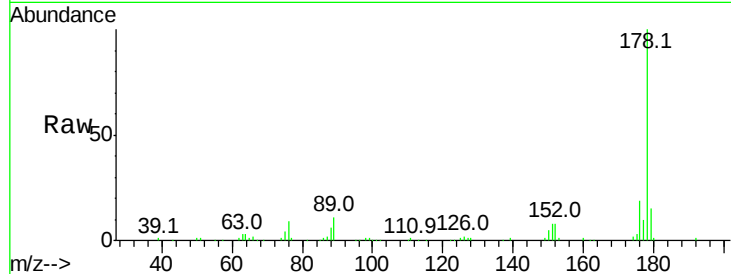
#71
 Anthracene
 Concen: 6.776 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.4	12.6	19.0

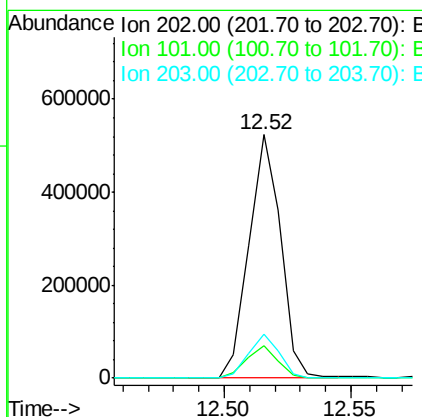
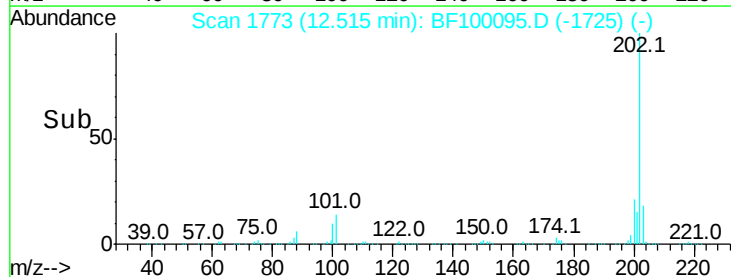
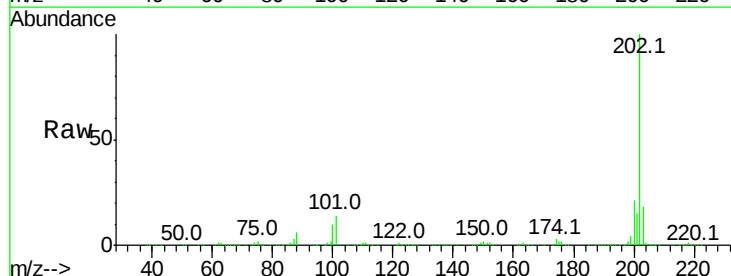
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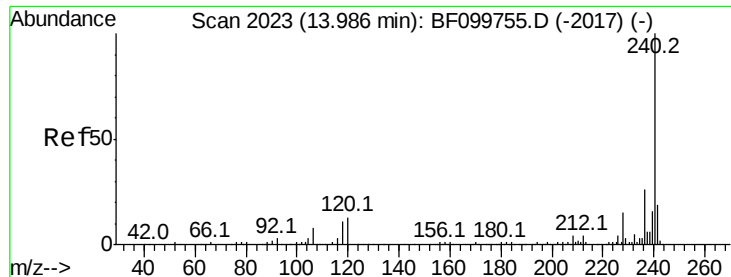
Sohil
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#74
 Fluoranthene
 Concen: 30.749 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Instrument :

BNA_F

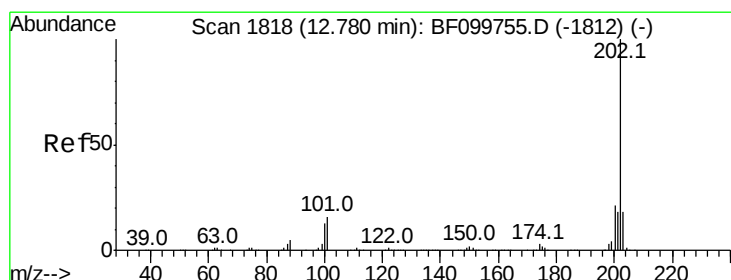
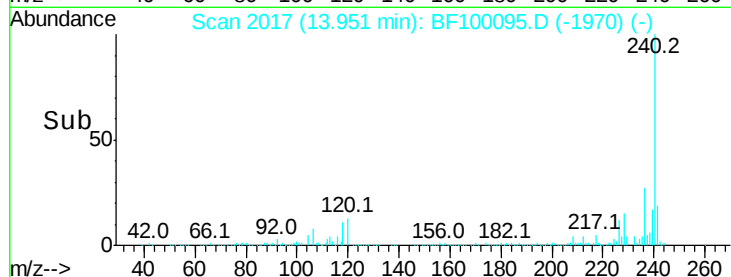
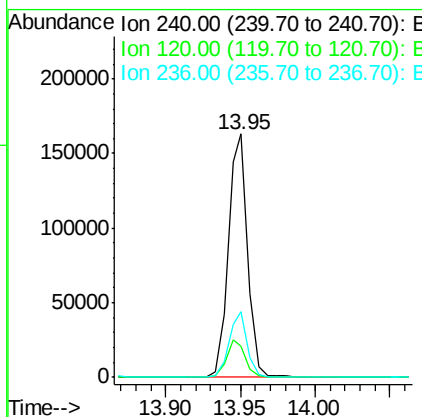
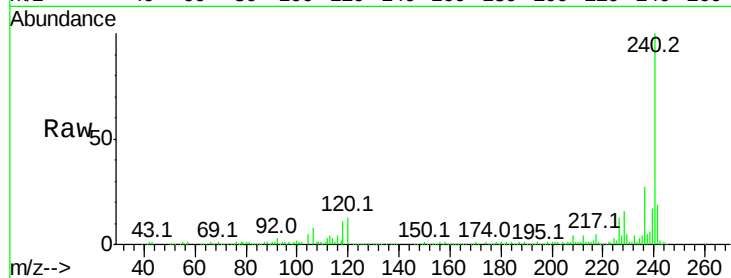
ClientSampleId :

SB-3(6-8)

Tot Ion:	240	Resp:	149109
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	27.0	20.7	31.1

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#77

Pyrene

Concen: 32.693 ng

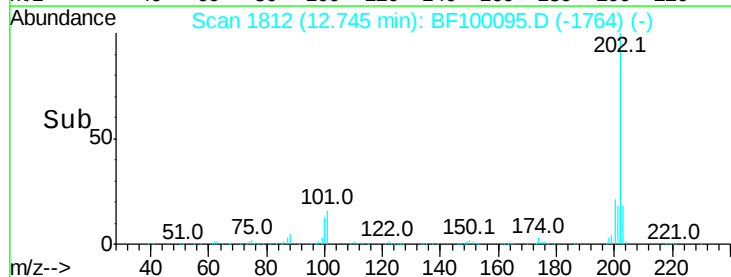
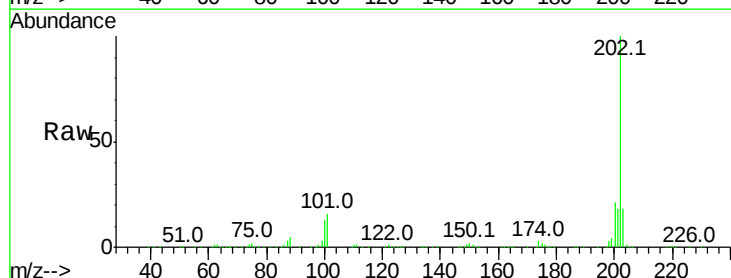
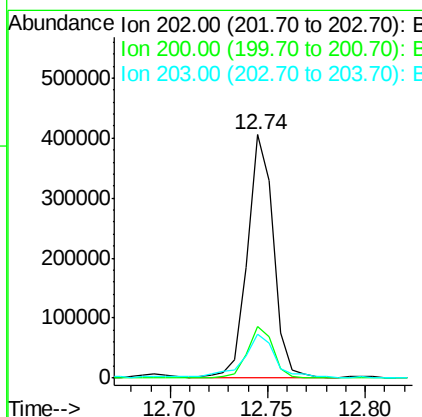
RT: 12.74 min Scan# 1812

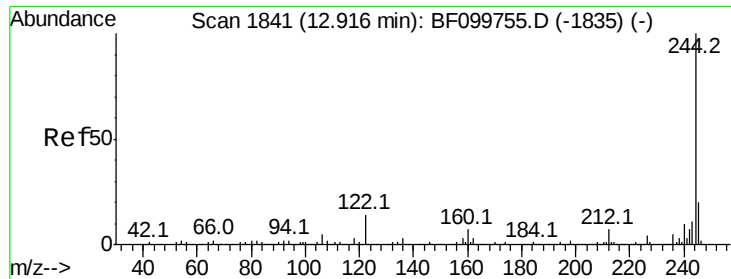
Delta R.T. -0.02 min

Lab File: BF100095.D

Acq: 2 Nov 2017 19:55

Tgt Ion:	202	Resp:	370679
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5





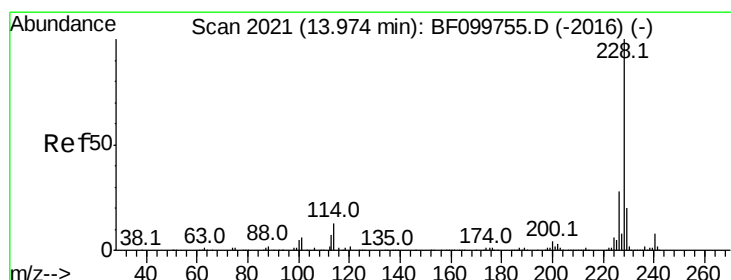
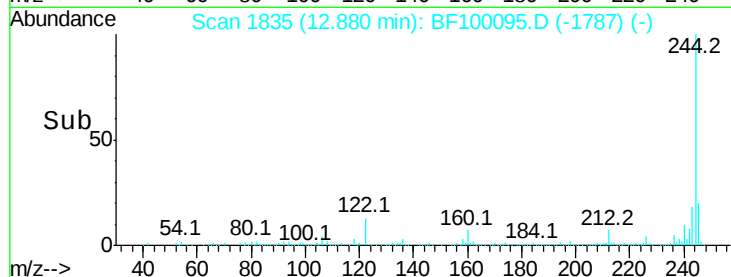
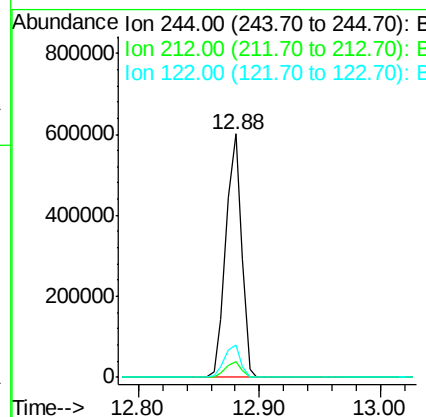
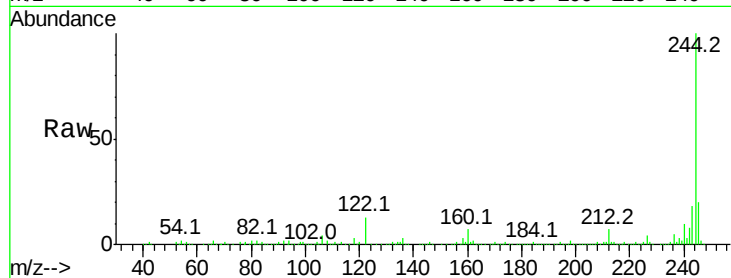
#78
 Terphenyl-d14
 Concen: 78.829 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.3	11.0	16.4

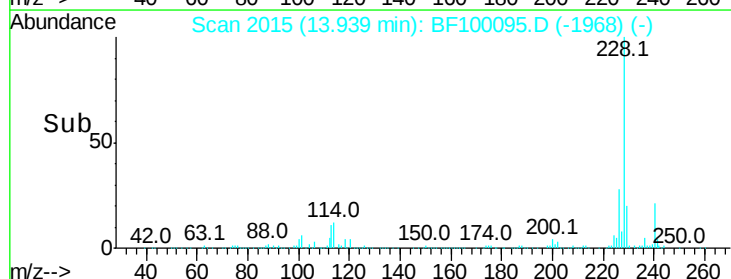
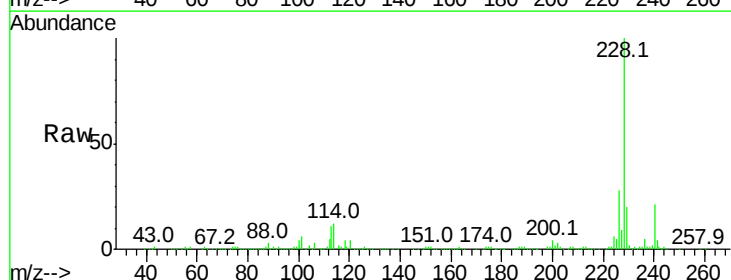
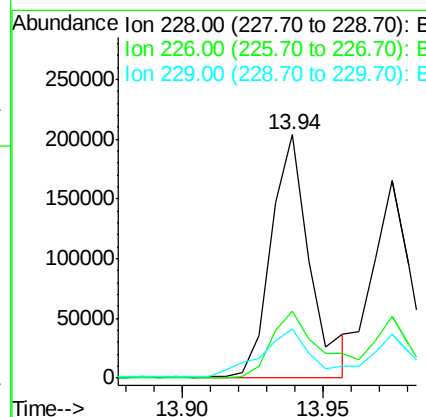
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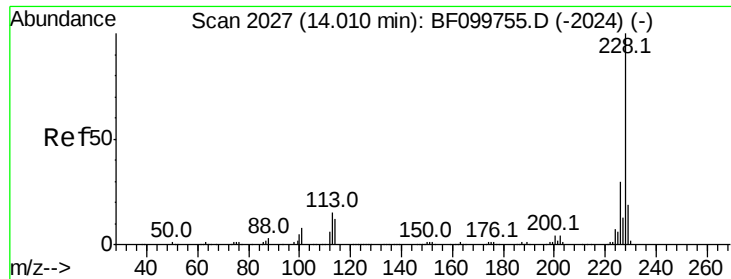
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#80
 Benzo(a)anthracene
 Concen: 20.380 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF100095.D
 Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.4	15.8	23.6





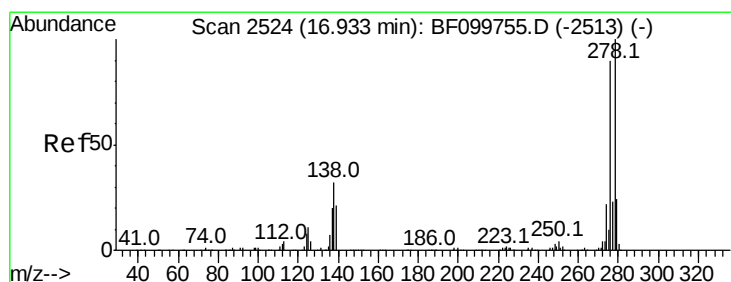
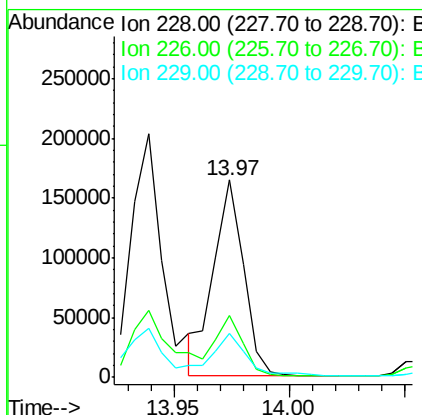
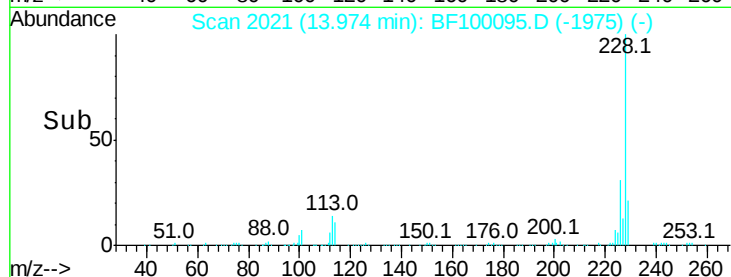
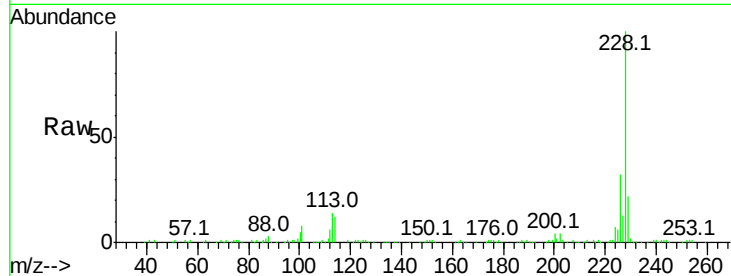
#82
Chrysene
Concen: 16.707 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.03 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampled :
SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.2	16.2	24.4

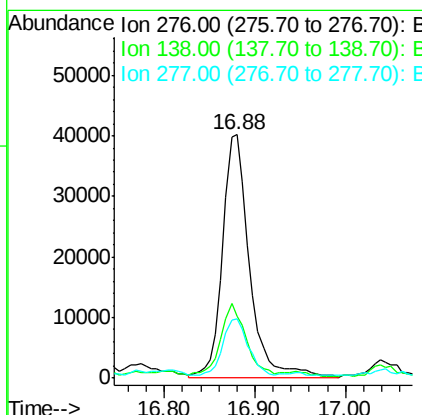
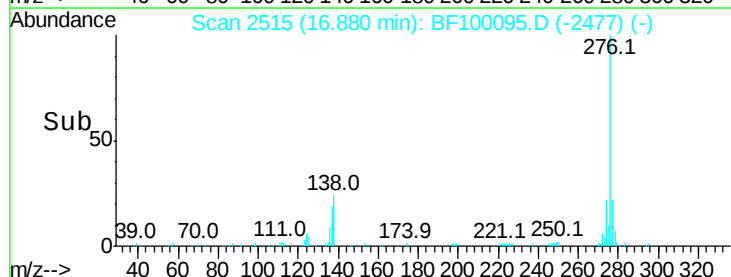
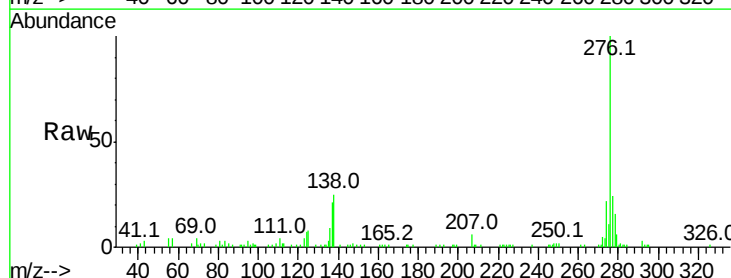
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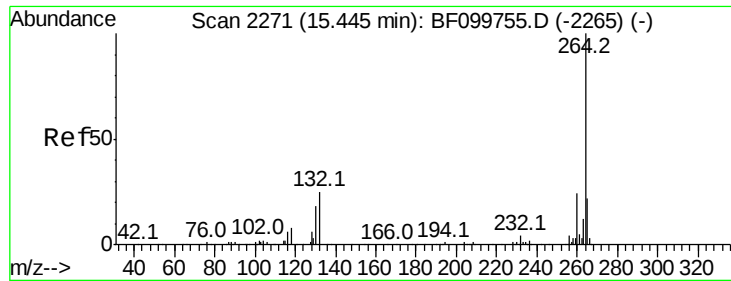
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.270 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.08 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	21.5	20.1	30.1





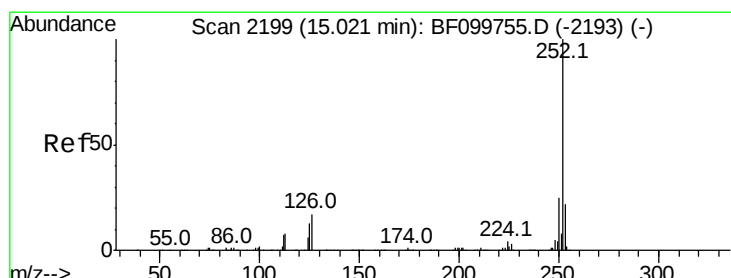
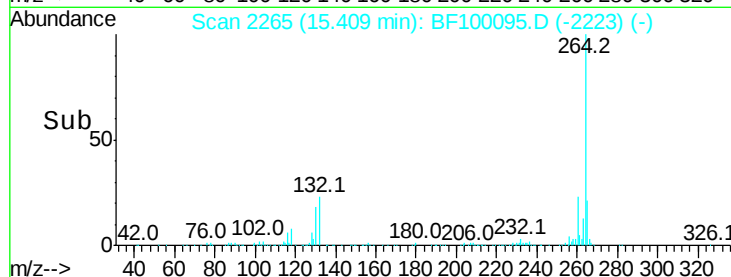
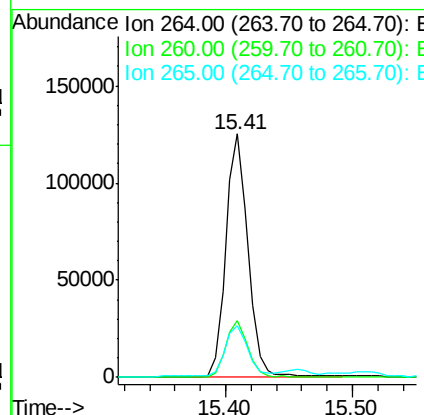
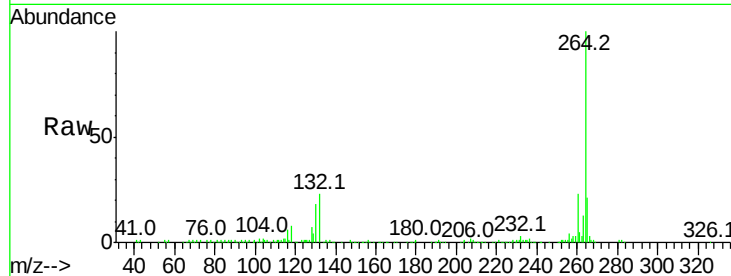
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :
SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3

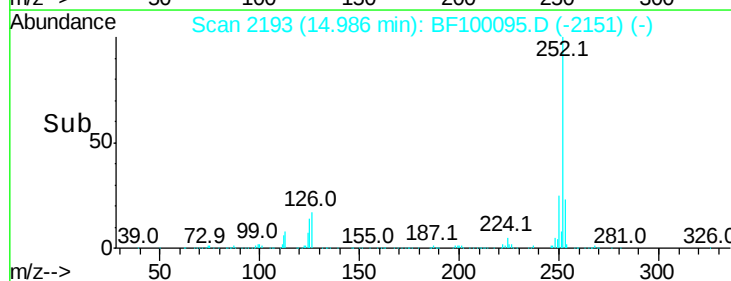
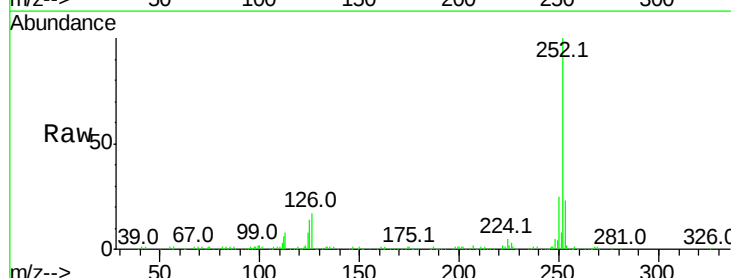
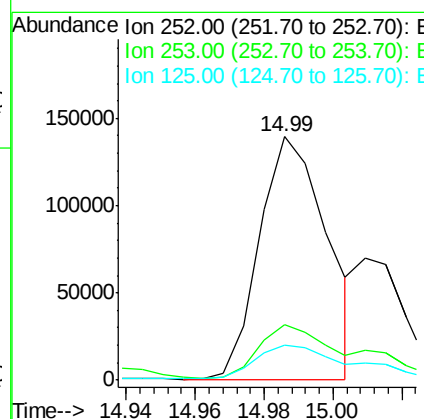
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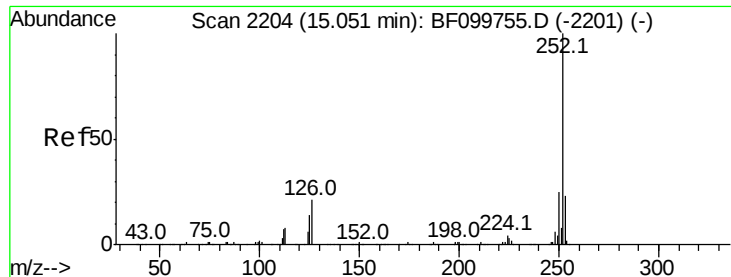
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#87
Benzo(b)fluoranthene
Concen: 19.835 ng m
RT: 14.99 min Scan# 2193
Delta R.T. -0.05 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.2	9.0	13.6#





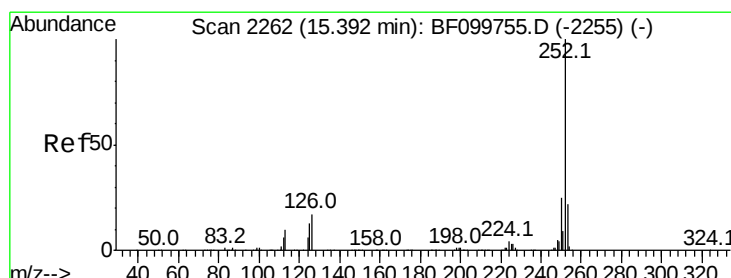
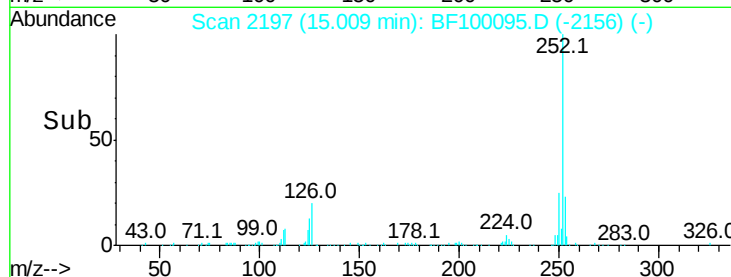
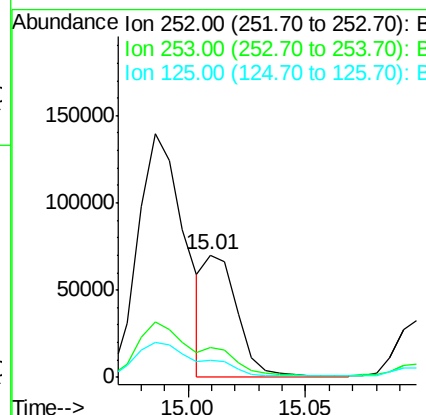
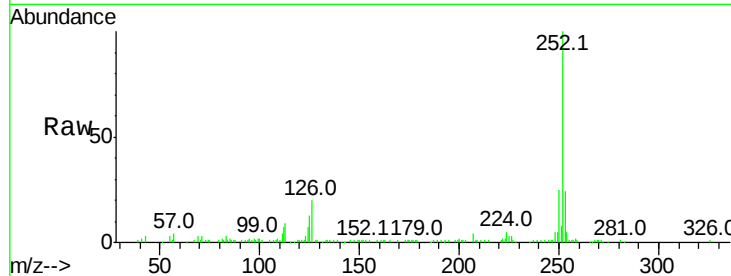
#88
Benzo(k)fluoranthene
Concen: 7.623 ng/mL
RT: 15.01 min Scan# 2197
Delta R.T. -0.06 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampled :
SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.5	10.2	15.2

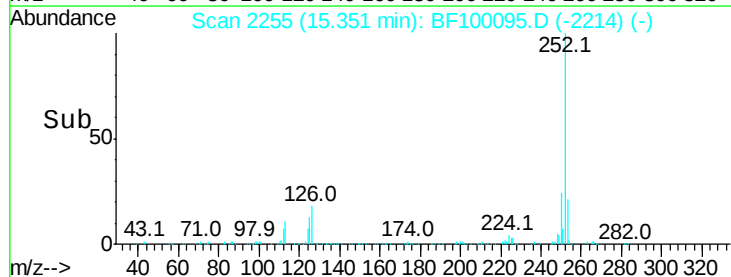
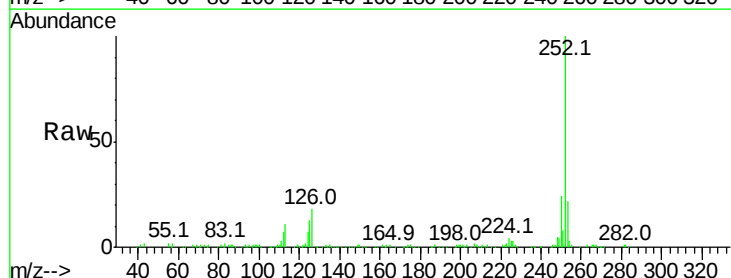
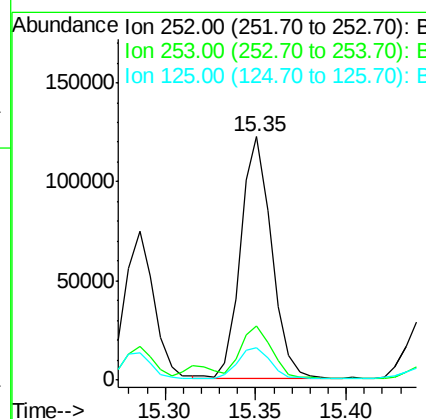
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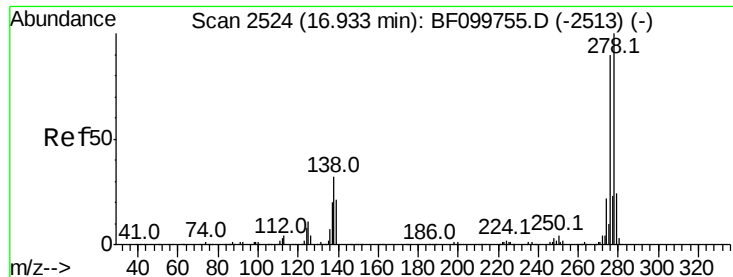
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#89
Benzo(a)pyrene
Concen: 16.885 ng/mL
RT: 15.35 min Scan# 2255
Delta R.T. -0.06 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.3	9.8	14.6





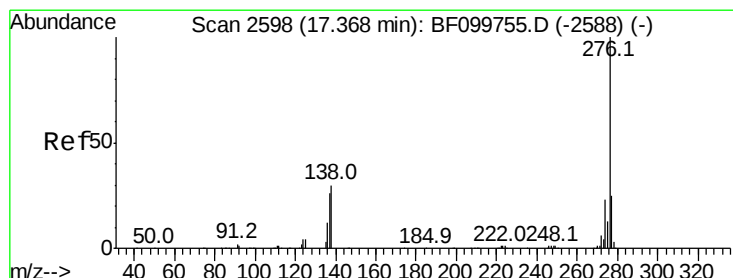
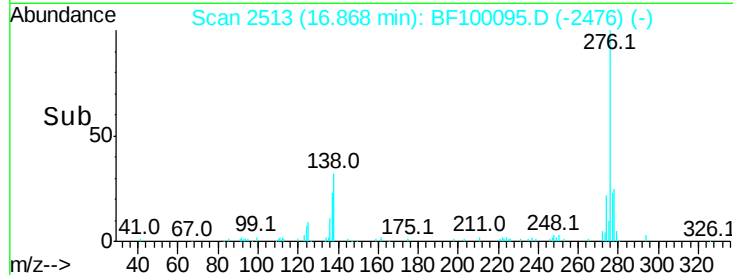
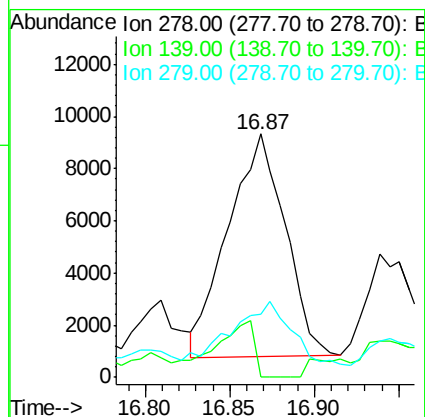
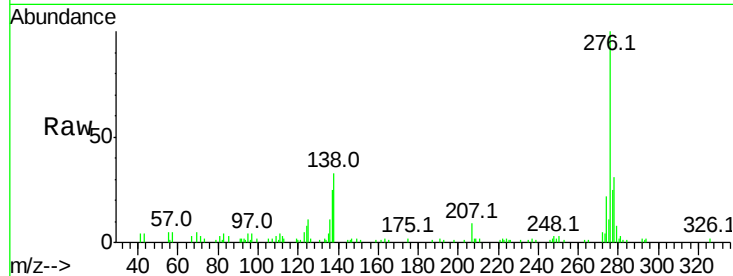
#90
Dibenzo(a,h)anthracene
Concen: 2.629 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.08 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Instrument :
BNA_F
ClientSampleId :
SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.1	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.110 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.08 min
Lab File: BF100095.D
Acq: 2 Nov 2017 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	31.5	21.8	32.8

