

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095759.D
 Acq On : 7 Jun 2017 22:11
 Operator : SJ/MA
 Sample : I3479-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)20170603

Manual Integrations
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Quant Time: Jun 08 05:41:25 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	76862	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	301310	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	120049	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	180659	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	148950	20.00	ng	0.00
86) Perylene-d12	20.02	264	109800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	80694	16.73	ng	0.00
7) Phenol-d6	6.96	99	102291	17.71	ng	0.00
23) Nitrobenzene-d5	8.30	82	56946	11.74	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	16681	15.70	ng	-0.01
44) 2-Fluorobiphenyl	11.19	172	127126	14.74	ng	-0.02
78) Terphenyl-d14	17.00	244	76645	12.77	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	12.29	154	40559	5.31	ng	97
57) Fluorene	13.13	166	33505	3.58	ng	94
70) Phenanthrene	14.67	178	336561	32.29	ng	99
71) Anthracene	14.76	178	118062	10.85	ng	98
72) Carbazole	15.06	167	26369	2.49	ng	98
74) Fluoranthene	16.45	202	437923	42.45	ng	97
77) Pyrene	16.75	202	381661	34.34	ng	# 93
80) Benzo(a)anthracene	18.34	228	177353	20.48	ng	99
82) Chrysene	18.38	228	157695	18.22	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	46821	6.32	ng	95
87) Benzo(b)fluoranthene	19.62	252	155710m	22.65	ng	
88) Benzo(k)fluoranthene	19.64	252	39833m	6.06	ng	
89) Benzo(a)pyrene	19.96	252	106552	16.86	ng	97
90) Dibenzo(a,h)anthracene	21.19	278	12750	2.38	ng	# 84
91) Benzo(a,h,i)perylene	21.53	276	45562	8.34	ng	99

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

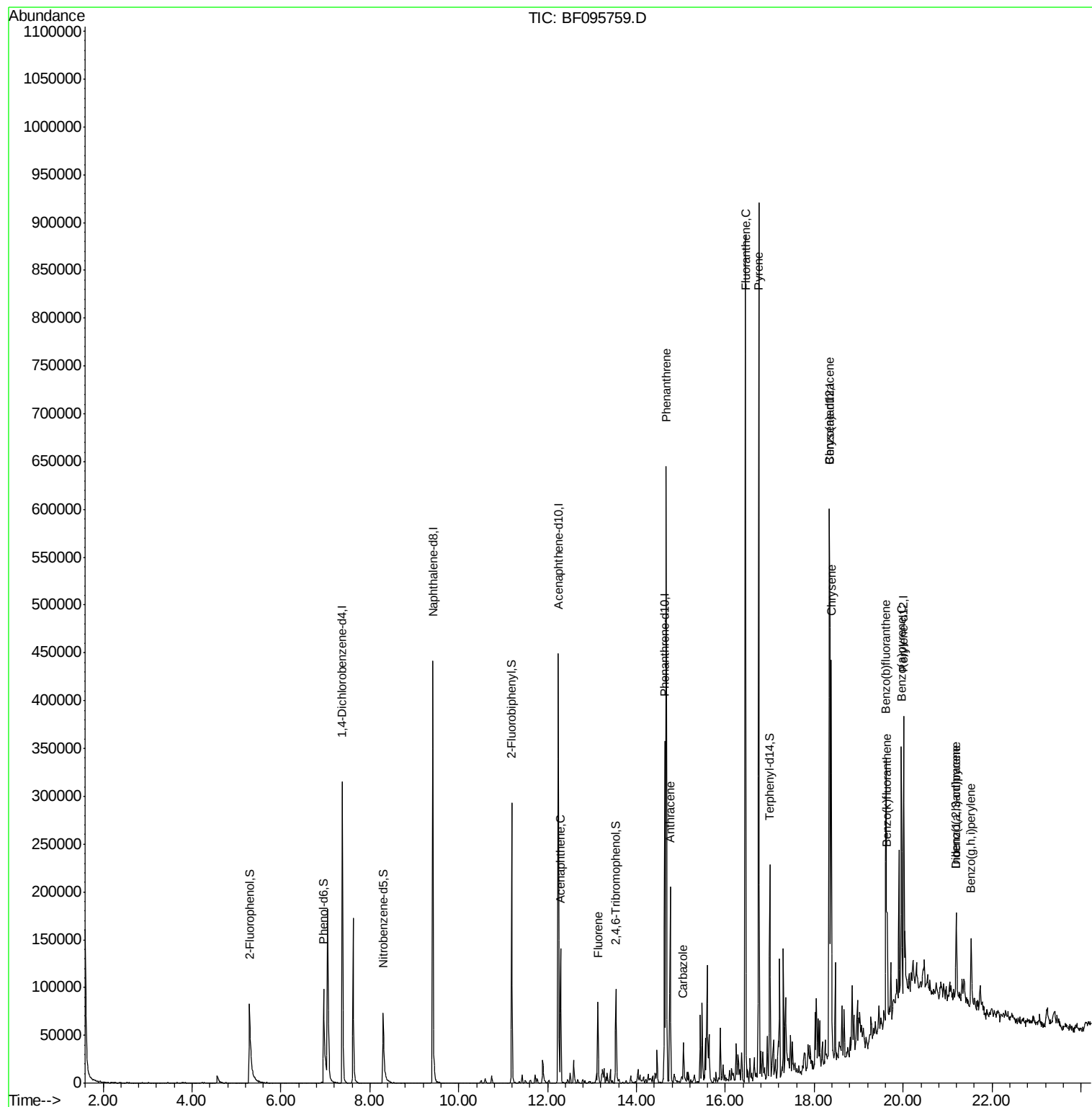
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#1

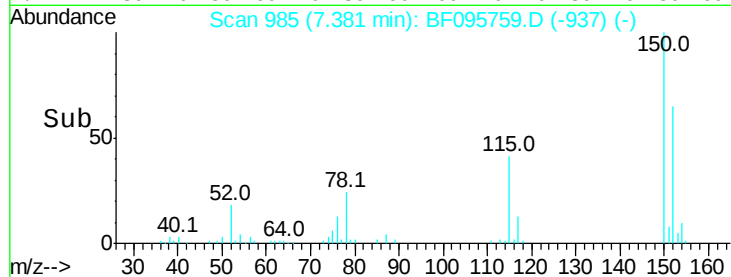
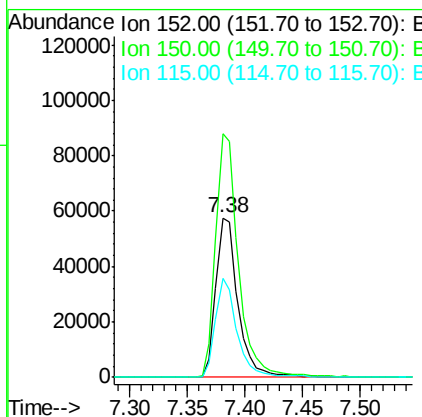
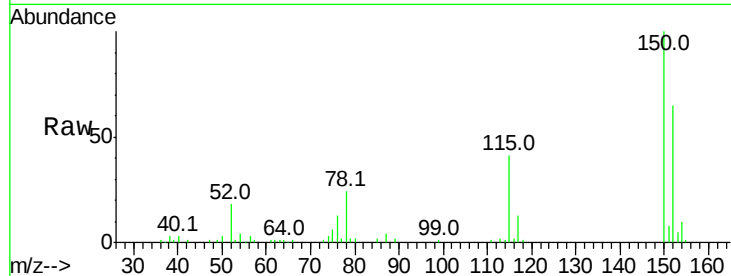
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.2	189.2
115	62.2	52.2	78.2

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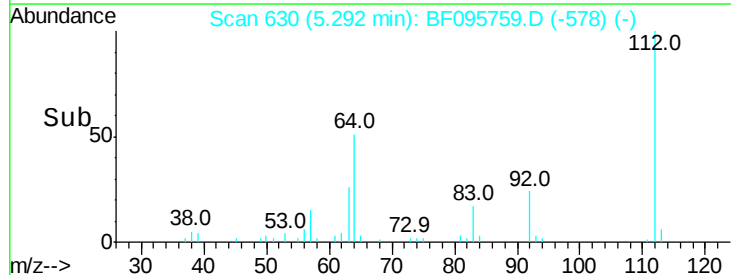
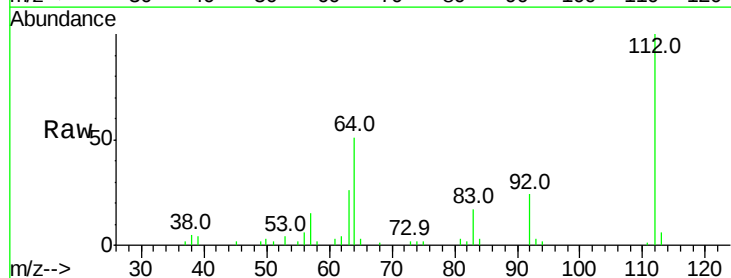
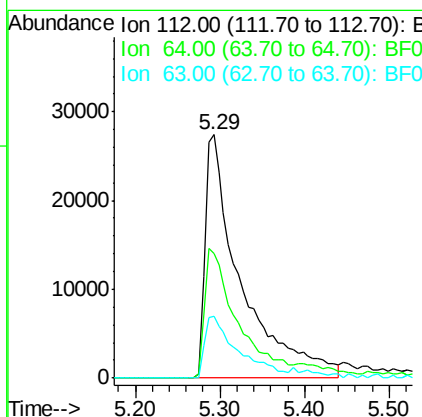
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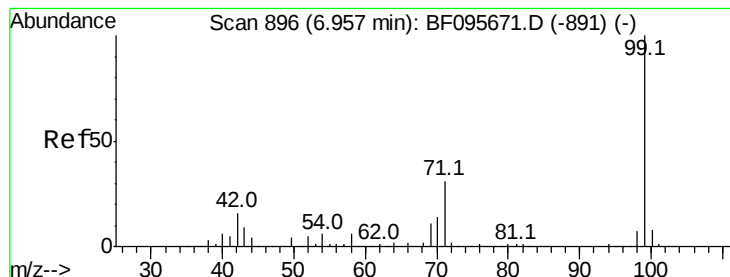


#5

2-Fluorophenol
Concen: 16.73 ng
RT: 5.29 min Scan# 630
Delta R.T. 0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	46.0	69.0
63	25.6	23.4	35.0





#7

Phenol-d6

Concen: 17.71 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Instrument :

BNA_F

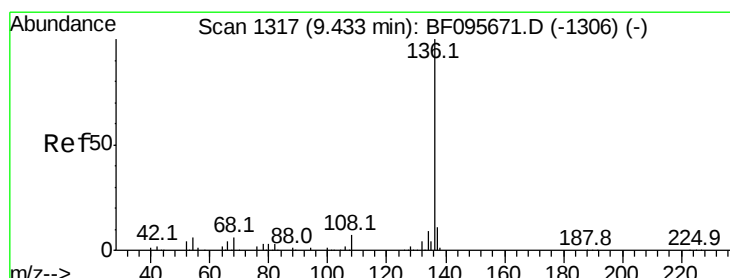
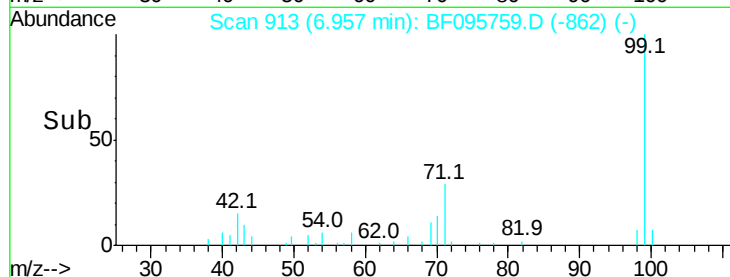
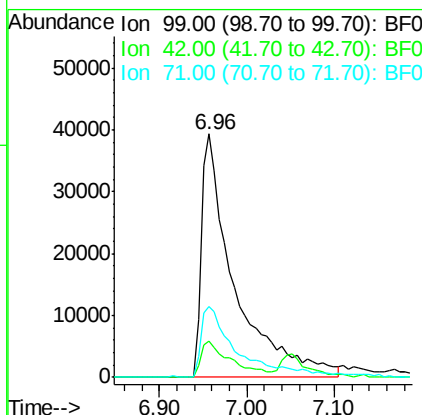
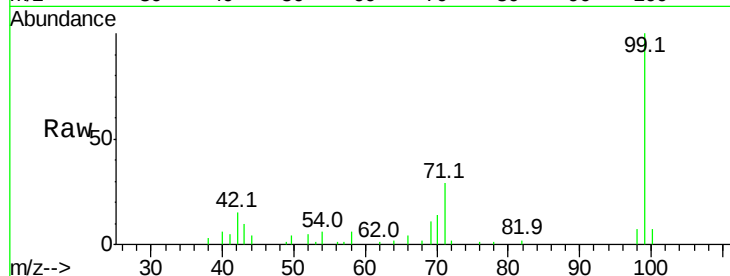
ClientSampleId :

SB-7(0-2)20170603

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		102291		
42	15.0	13.5	20.3		
71	29.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

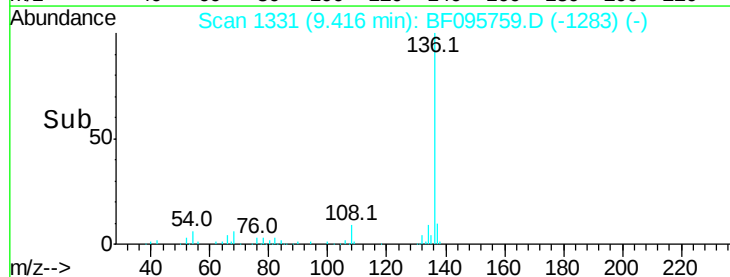
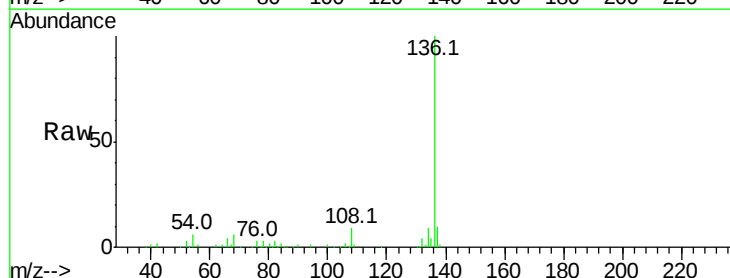
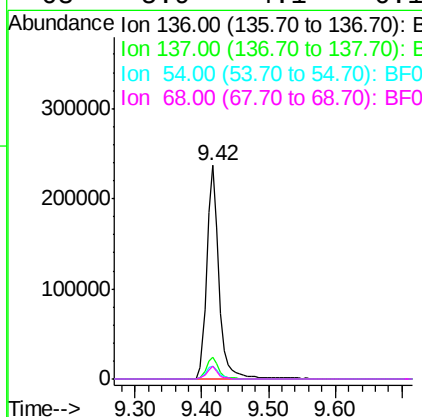
RT: 9.42 min Scan# 1331

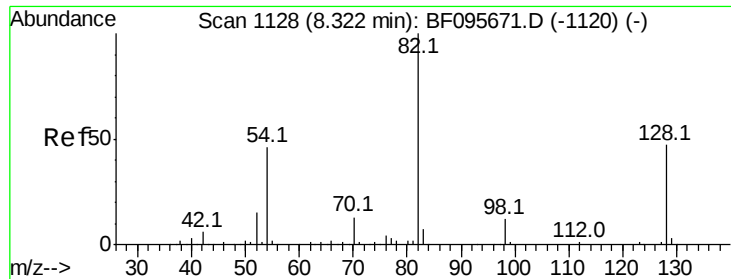
Delta R.T. -0.02 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		301310		
137	10.4	8.5	12.7		
54	6.2	4.9	7.3		
68	5.9	4.1	6.1		





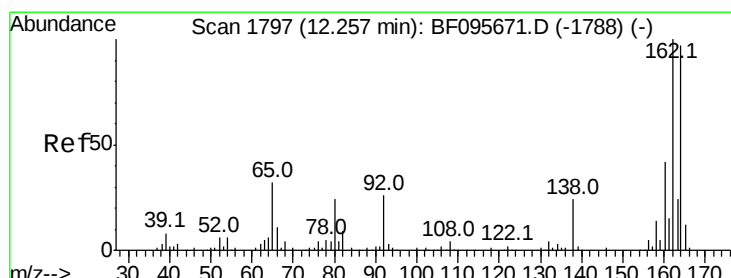
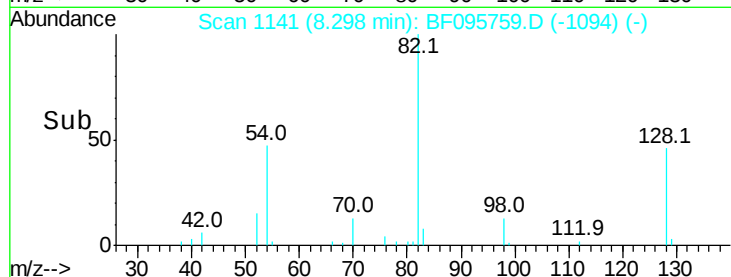
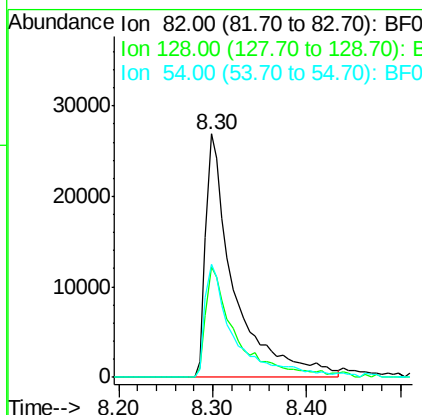
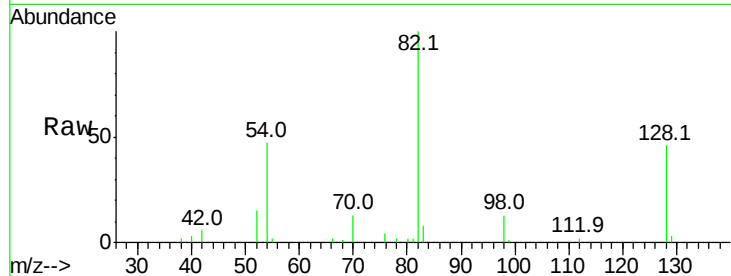
#23
 Nitrobenzene-d5
 Concen: 11.74 ng
 RT: 8.30 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)20170603

Tot Ion	82	Resp	56946
Ion Ratio	100	Lower	Upper
128	45.6	34.0	51.0
54	46.5	42.2	63.2

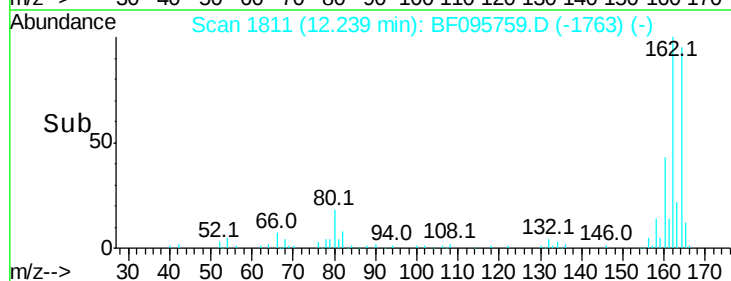
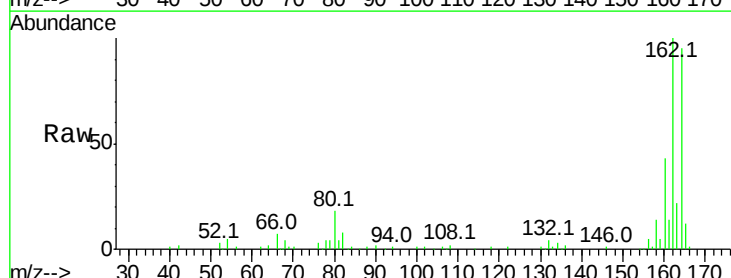
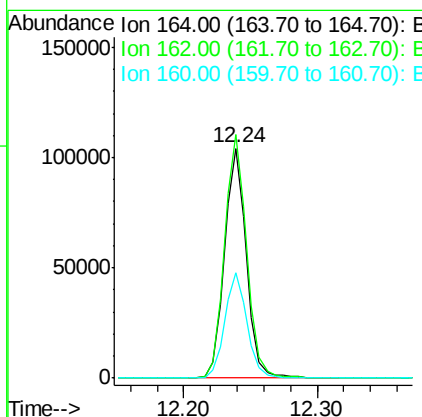
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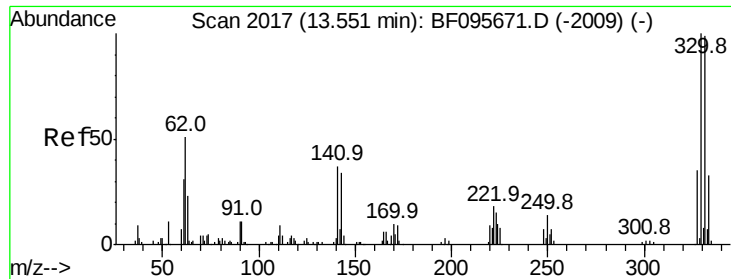
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Tgt Ion	164	Resp	120049
Ion Ratio	100	Lower	Upper
162	105.8	82.6	123.8
160	46.0	36.2	54.2





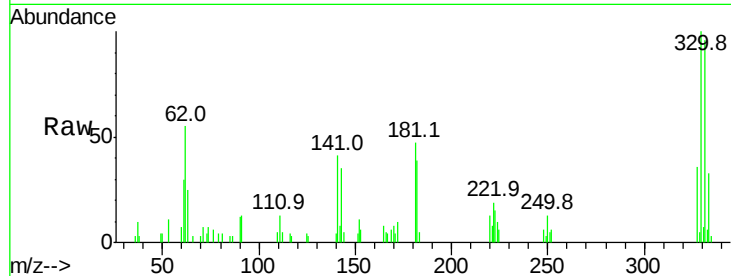
#41
 2,4,6-Tribromophenol
 Concen: 15.70 ng
 RT: 13.54 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)20170603

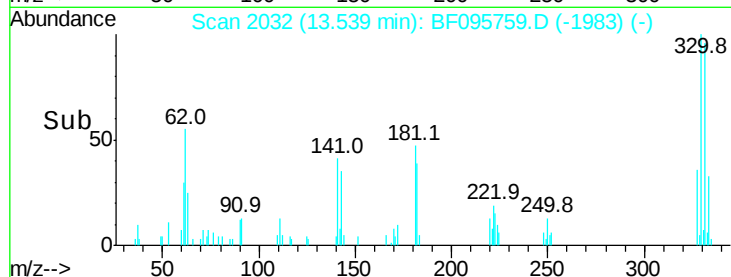
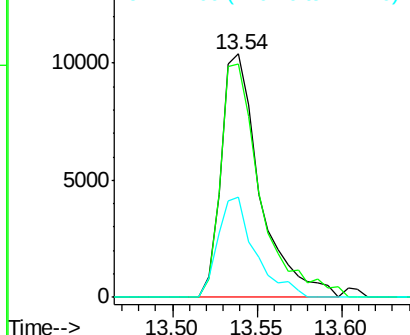
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	39.4	31.4	47.2

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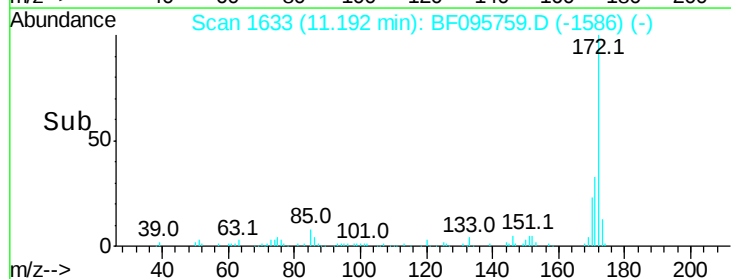
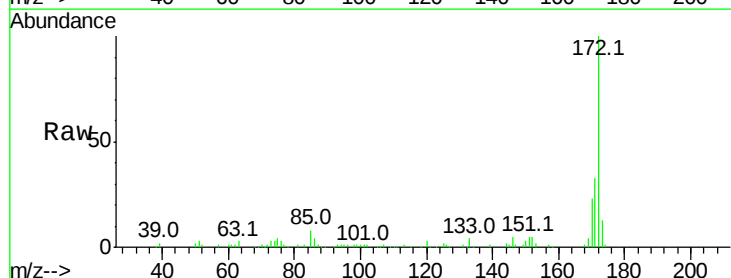
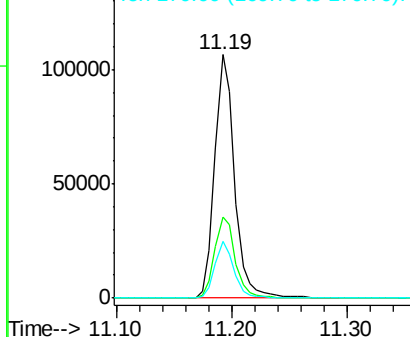
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

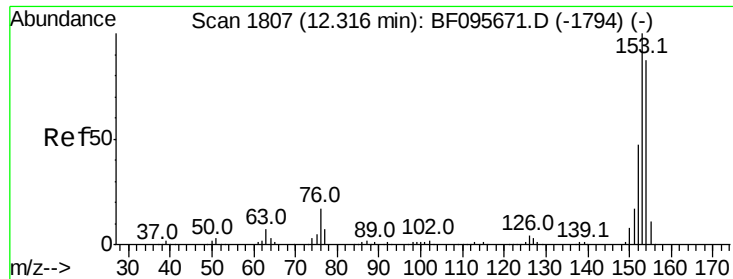


#44
 2-Fluorobiphenyl
 Concen: 14.74 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.2	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 5.31 ng

RT: 12.29 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Instrument :

BNA_F

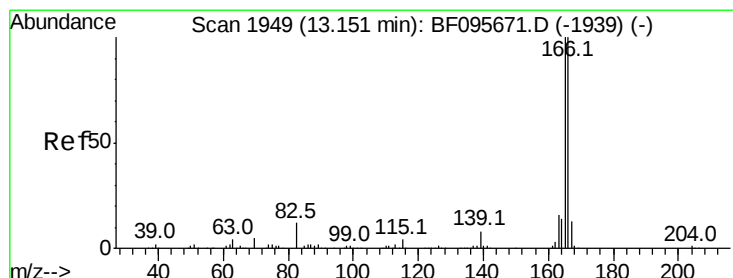
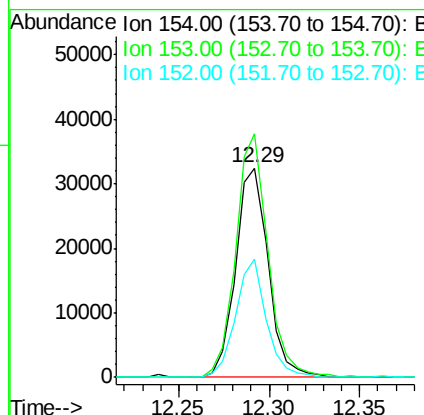
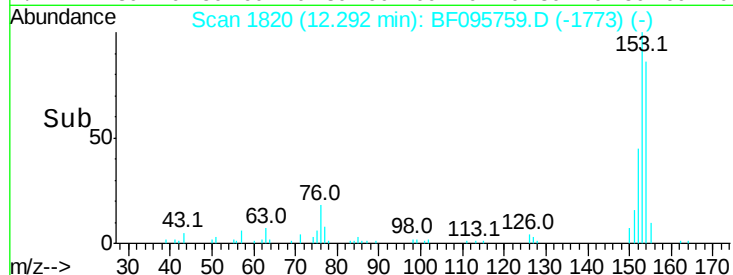
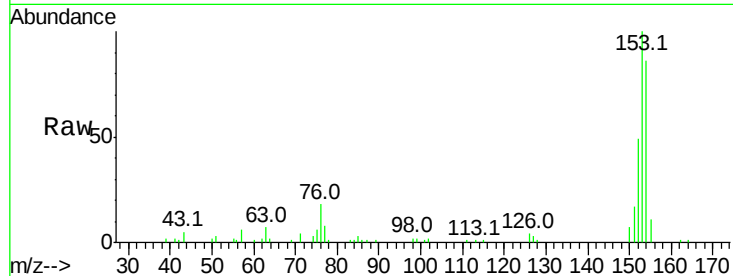
ClientSampleId :

SB-7(0-2)20170603

Tot Ion:	154	Resp:	40559
Ion Ratio	Lower	Upper	
154	100		
153	116.1	90.5	135.7
152	56.4	43.6	65.4

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#57

Fluorene

Concen: 3.58 ng

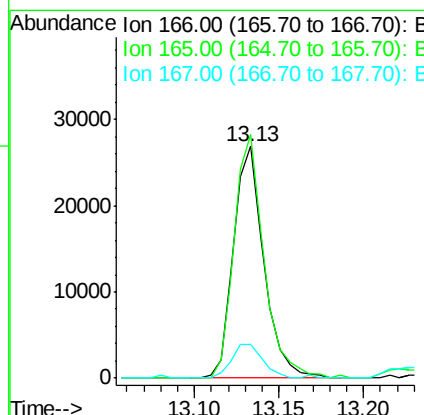
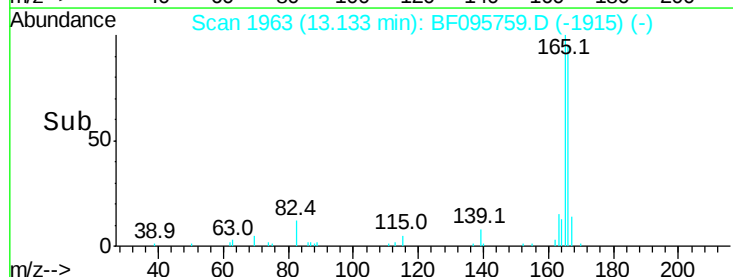
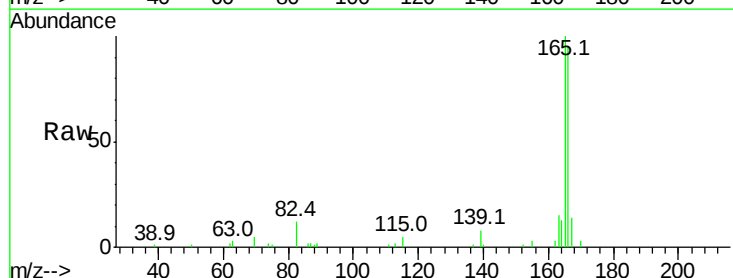
RT: 13.13 min Scan# 1963

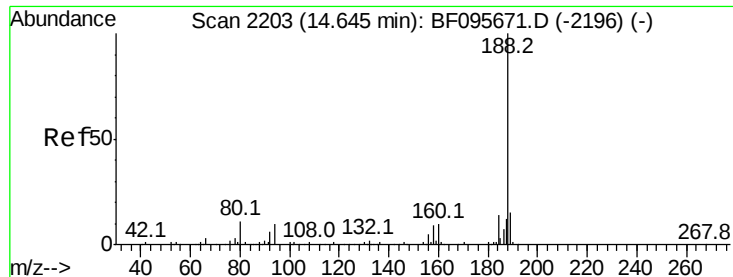
Delta R.T. -0.02 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Tgt Ion:	166	Resp:	33505
Ion Ratio	Lower	Upper	
166	100		
165	105.0	78.8	118.2
167	14.3	10.6	16.0





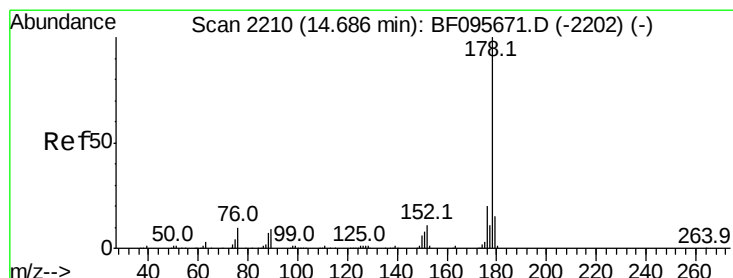
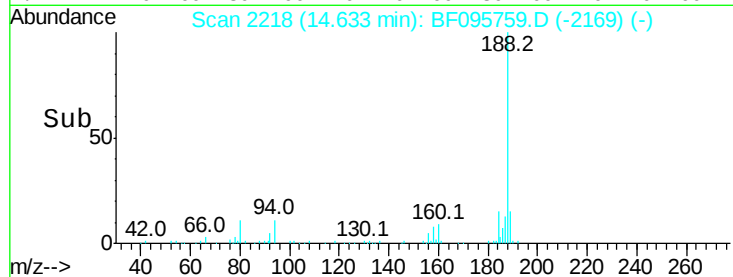
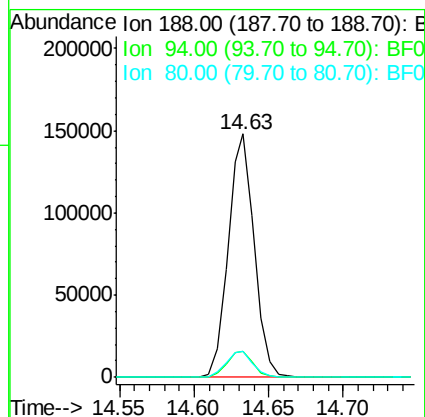
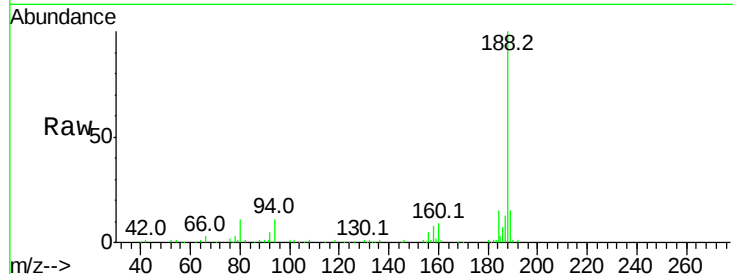
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	9.4	14.2
80	10.8	10.2	15.2

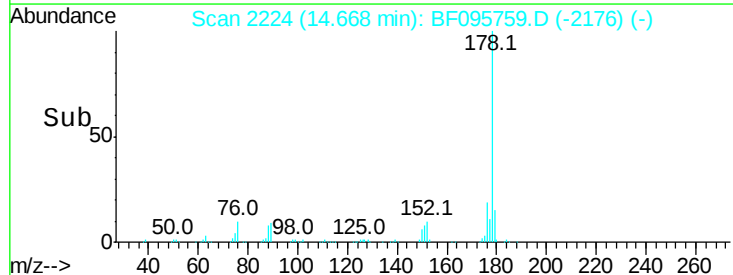
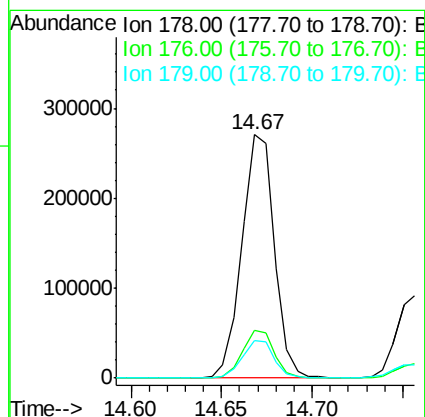
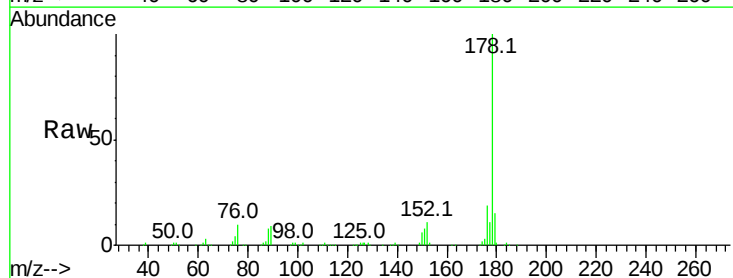
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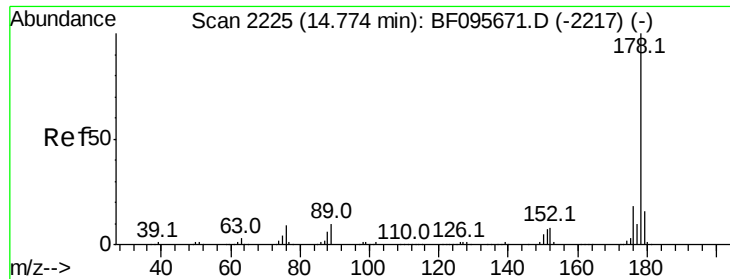
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#70
Phenanthrene
Concen: 32.29 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.2	24.4
179	15.5	12.6	19.0





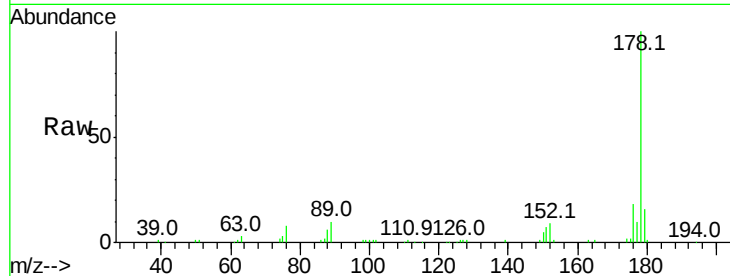
#71
 Anthracene
 Concen: 10.85 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)20170603

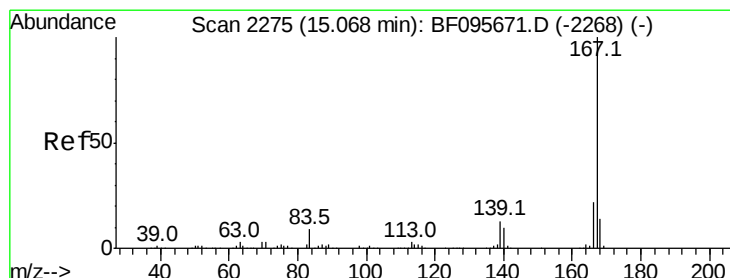
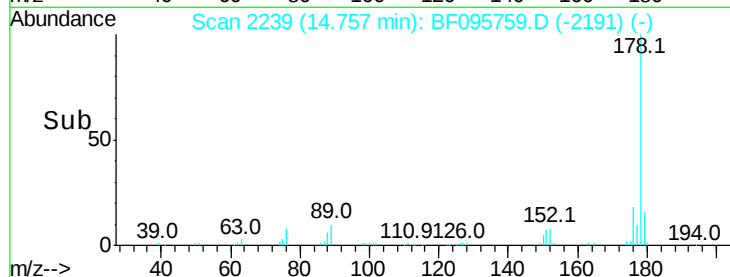
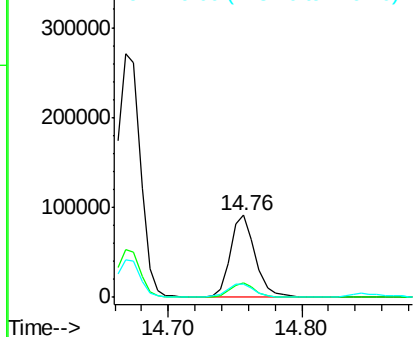
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.4	12.7	19.1

Manual Integrations
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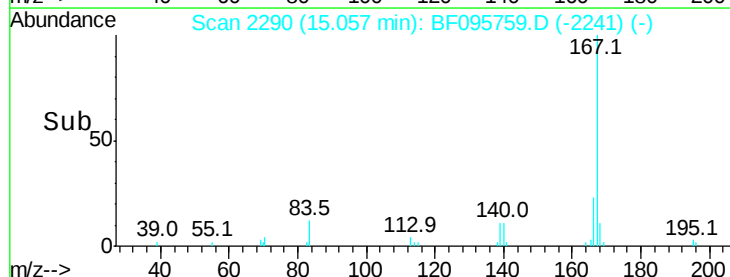
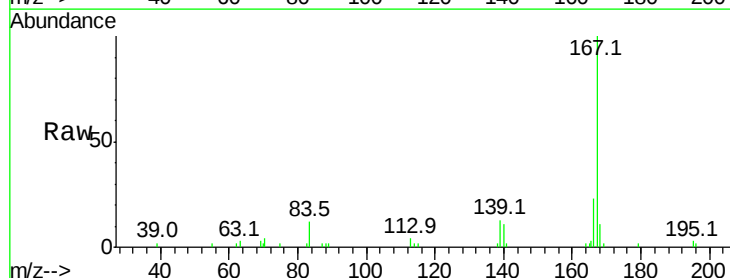
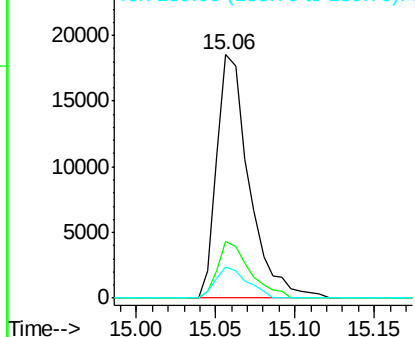
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

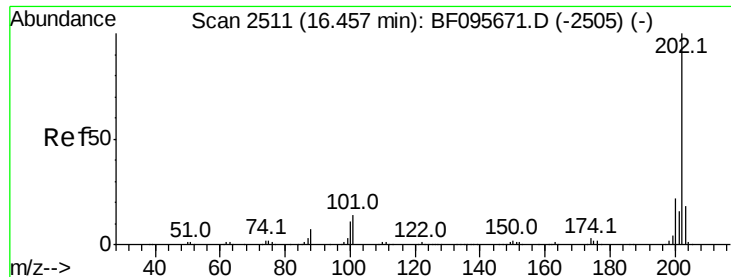


#72
 Carbazole
 Concen: 2.49 ng
 RT: 15.06 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF095759.D
 Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	13.0	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





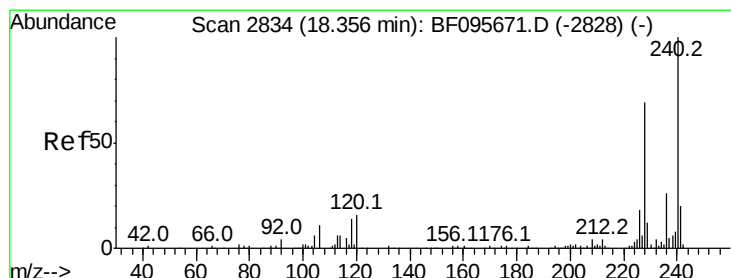
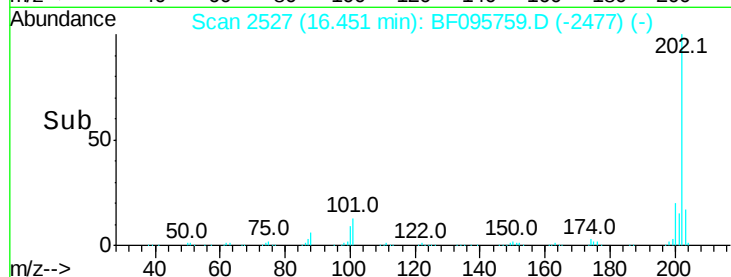
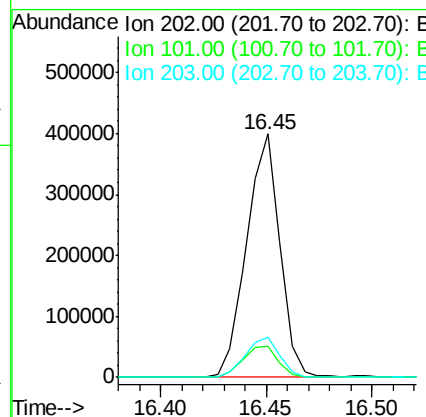
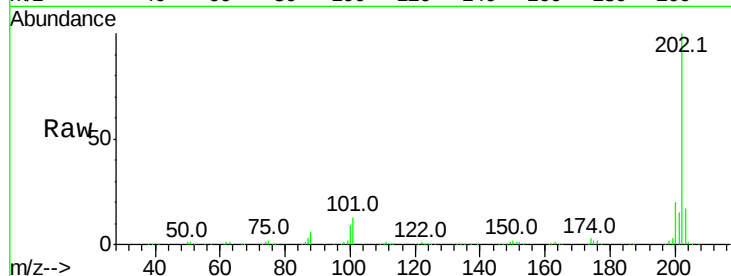
#74
Fluoranthene
Concen: 42.45 ng
RT: 16.45 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.2
203	16.6	0.0	38.1

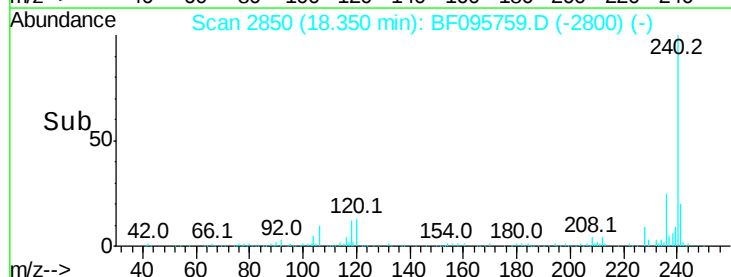
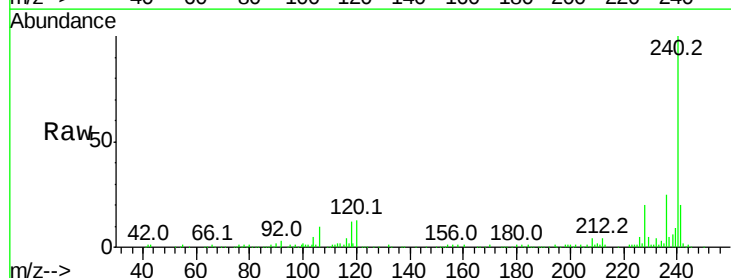
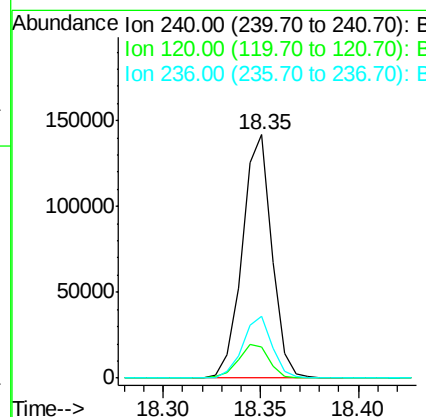
Manual Integrations
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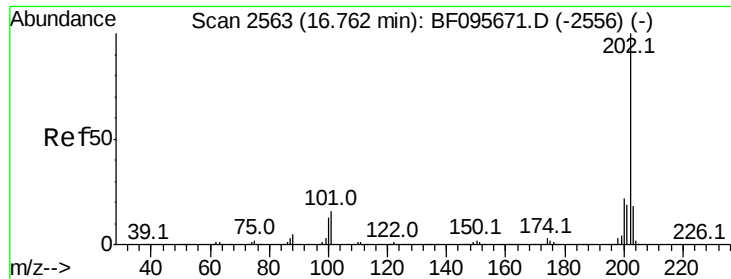
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.35 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	25.2	20.5	30.7





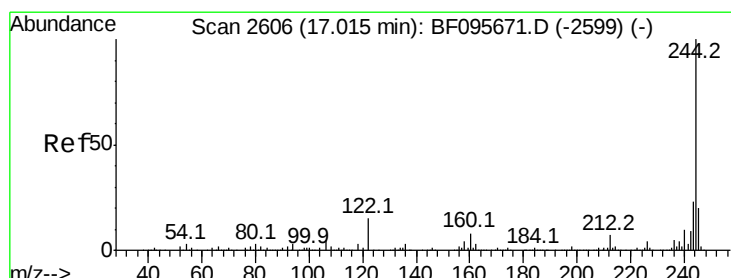
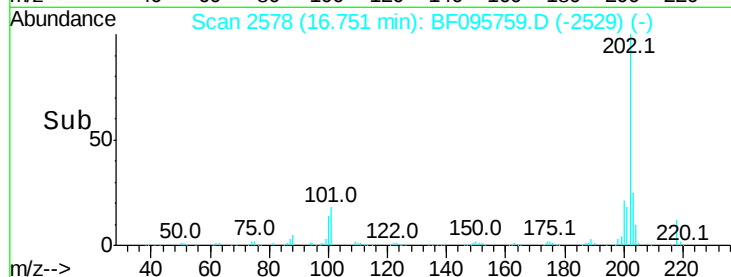
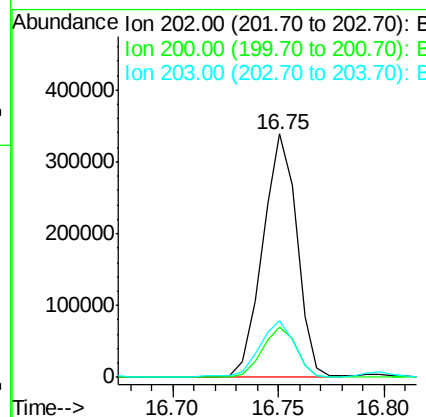
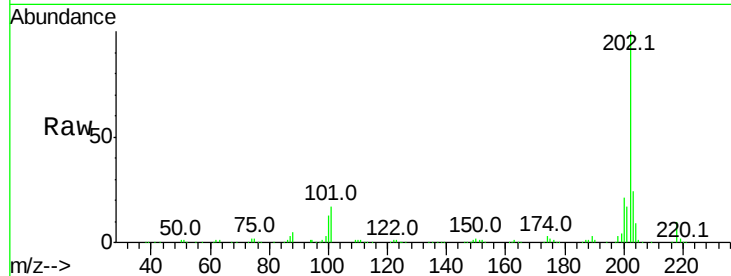
#77
Pvrene
Concen: 34.34 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.6	26.4
203	23.6	14.4	21.6

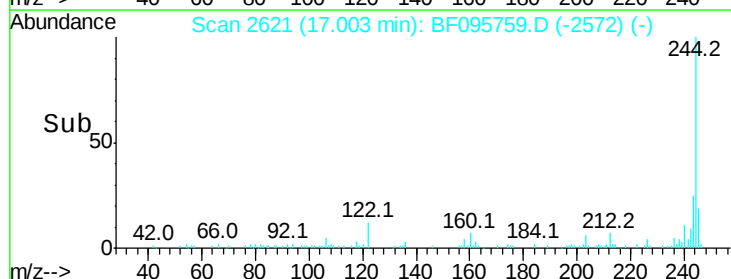
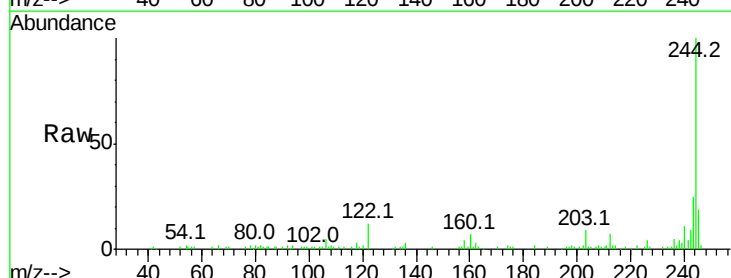
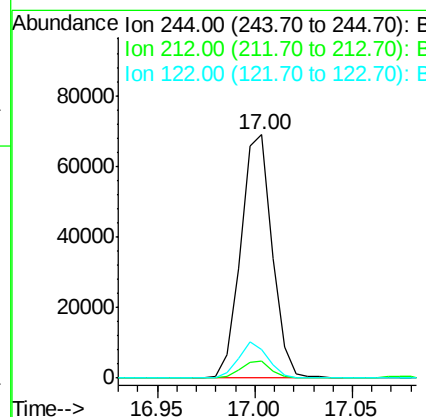
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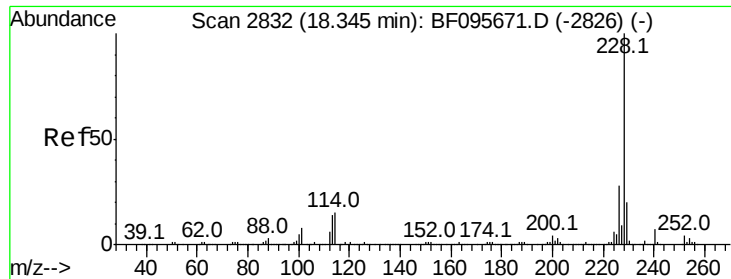
mohammad
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#78
Terphenyl-d14
Concen: 12.77 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.7	10.3	15.5





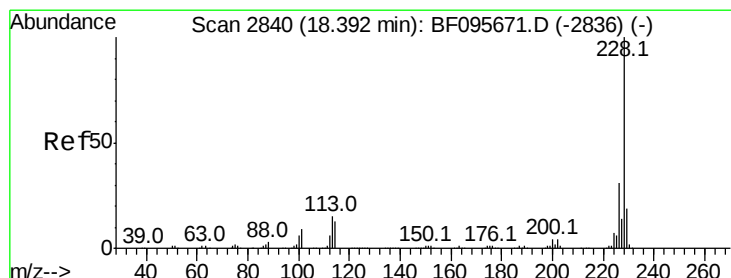
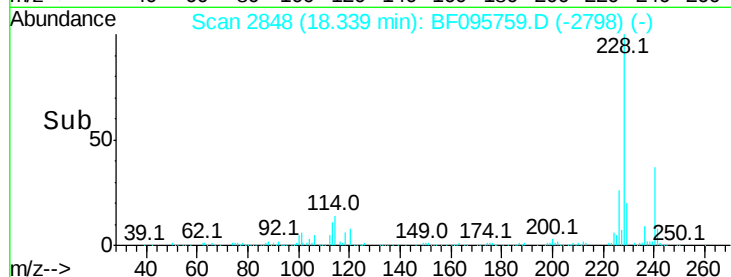
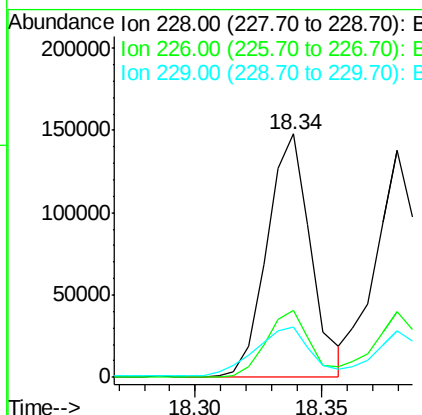
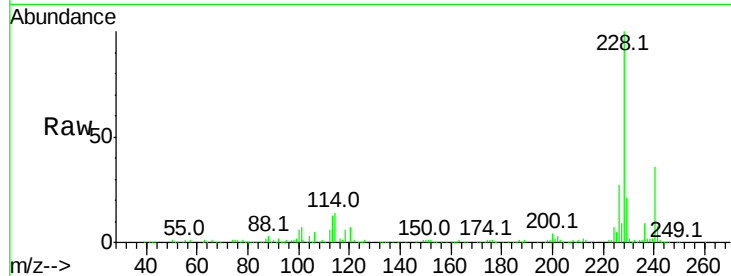
#80
Benzo(a)anthracene
Concen: 20.48 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.6	16.3	24.5

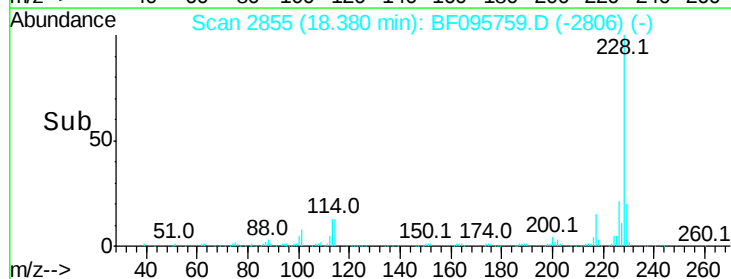
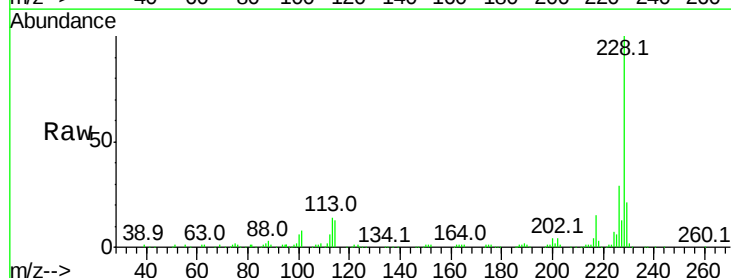
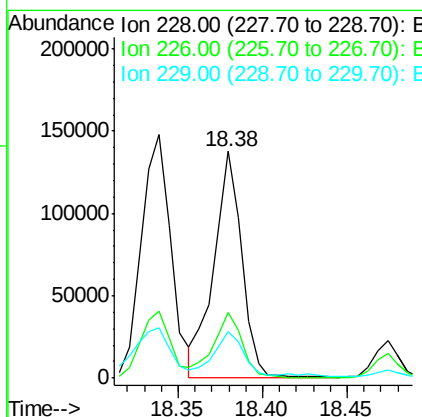
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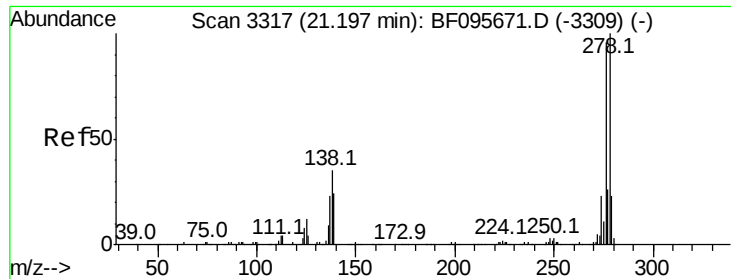
mohammad
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#82
Chrysene
Concen: 18.22 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.6	15.8	23.6





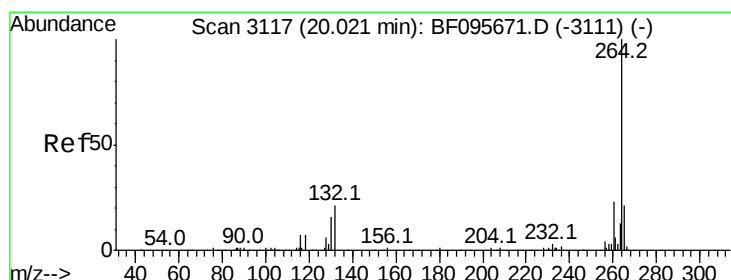
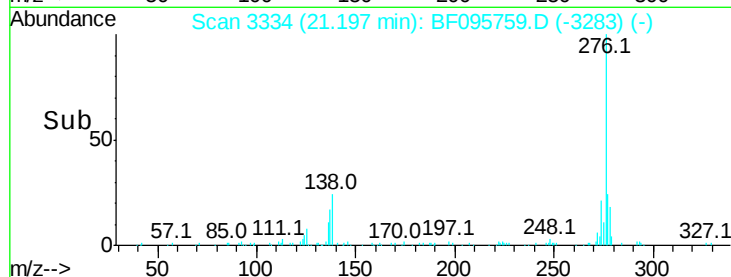
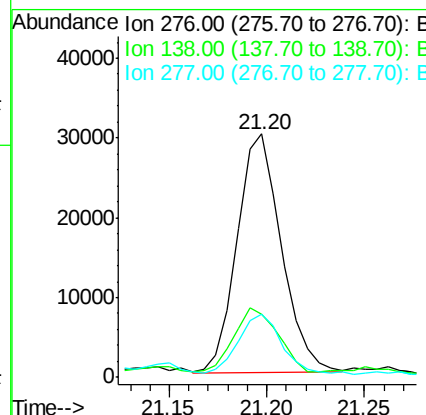
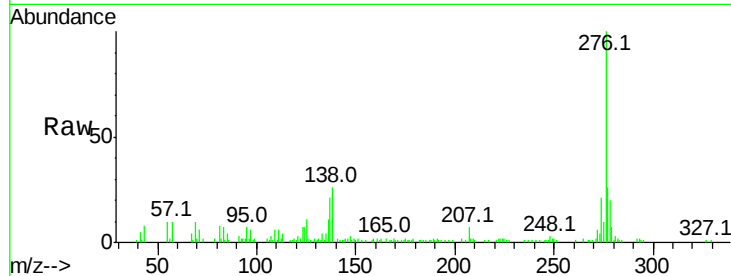
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	24.8	20.2	30.4

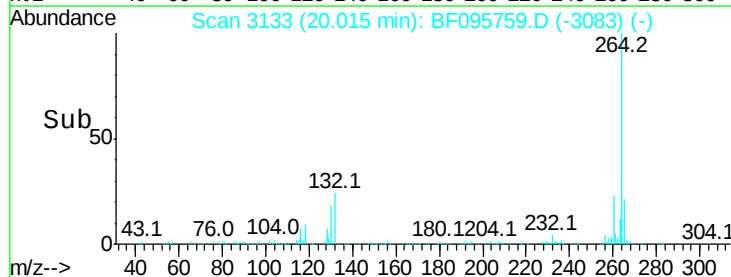
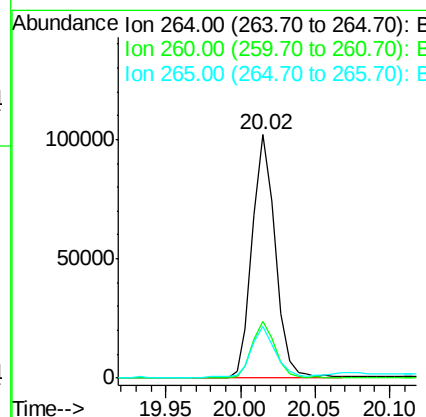
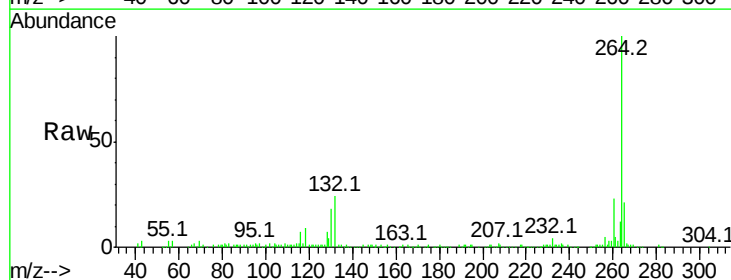
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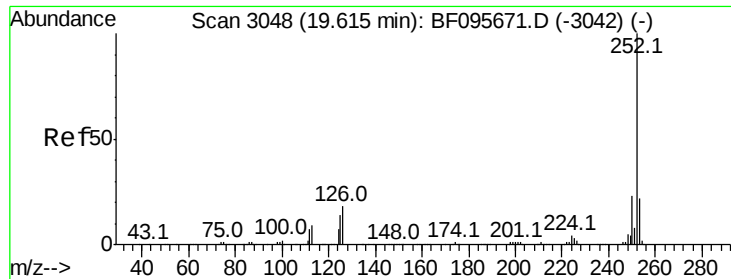
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 22.65 ng m

RT: 19.62 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Instrument :

BNA_F

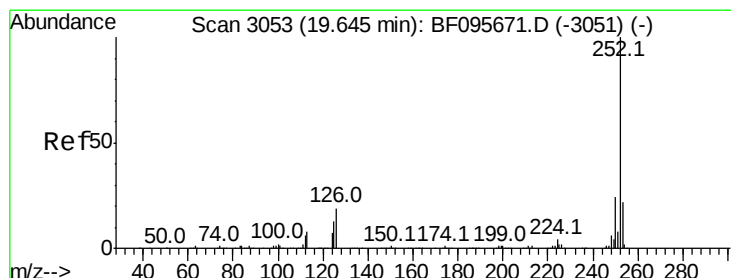
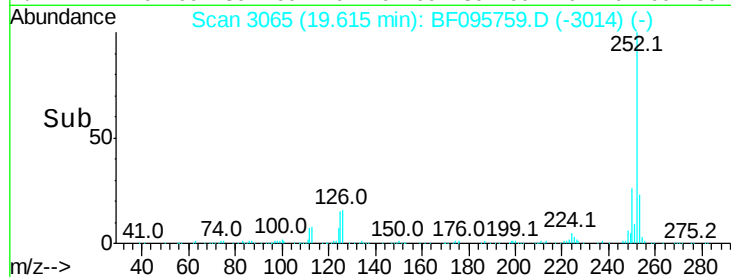
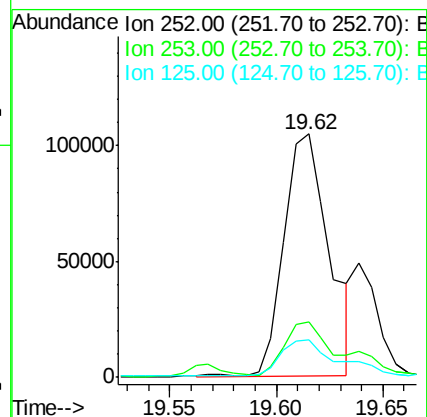
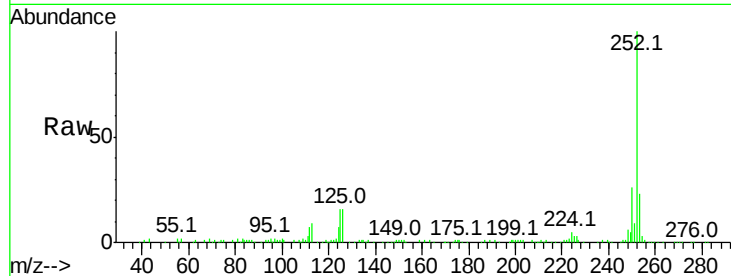
ClientSampleId :

SB-7(0-2)20170603

Tot Ion:	252	Resp:	155710
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.6	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 6.06 ng m

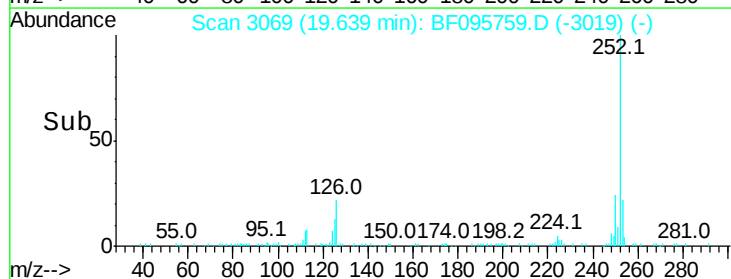
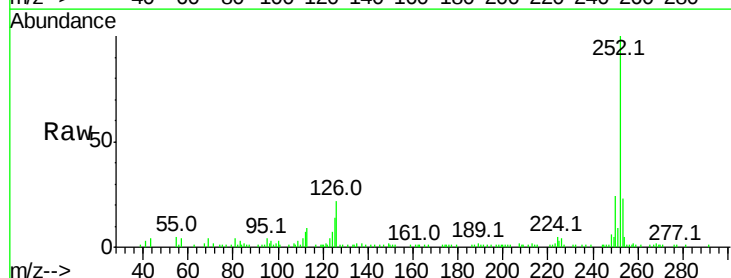
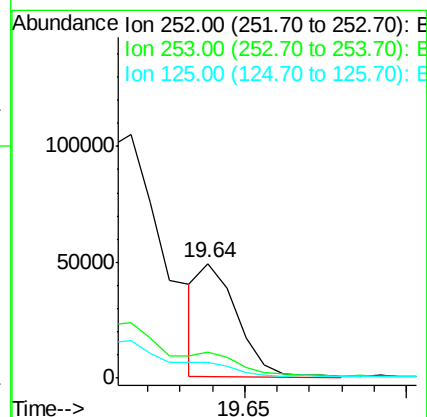
RT: 19.64 min Scan# 3069

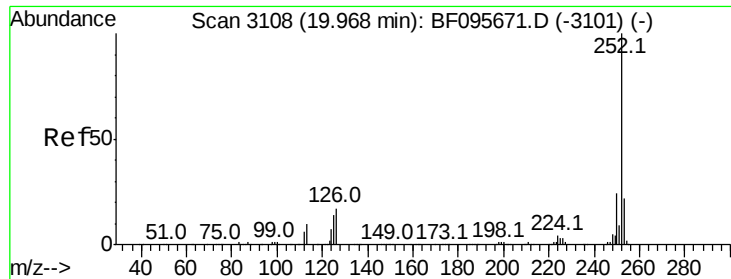
Delta R.T. -0.01 min

Lab File: BF095759.D

Acq: 7 Jun 2017 22:11

Tgt Ion:	252	Resp:	39833
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	14.0	13.1	19.7





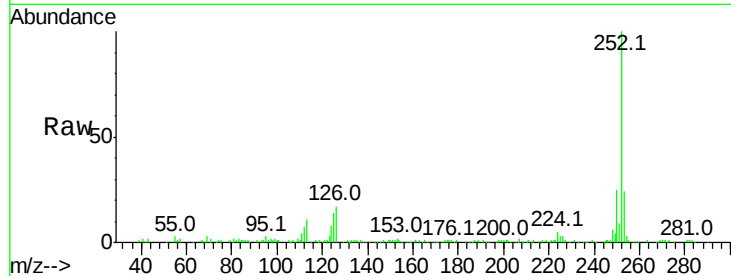
#89
Benzo(a)pyrene
Concen: 16.86 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

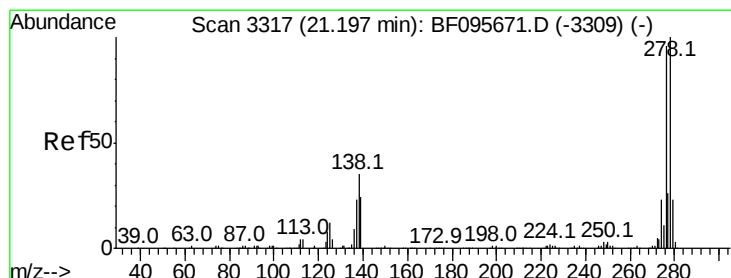
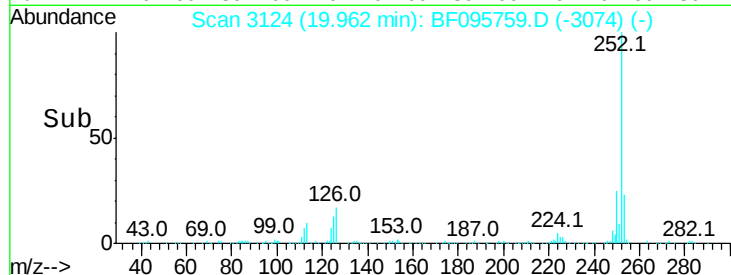
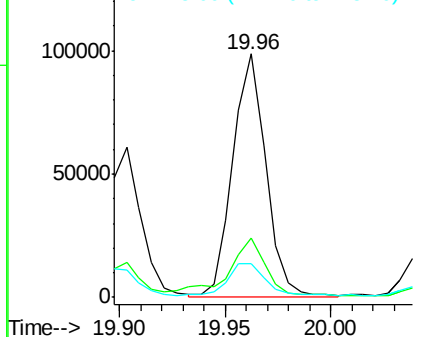
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	14.0	11.0	16.4

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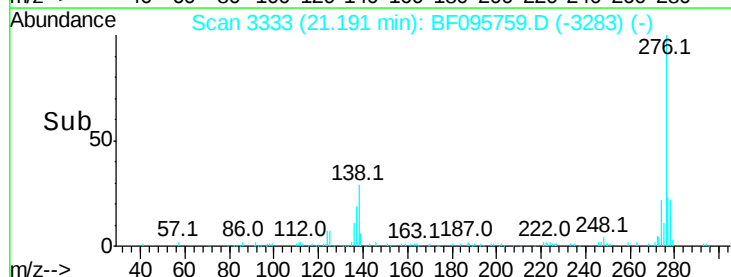
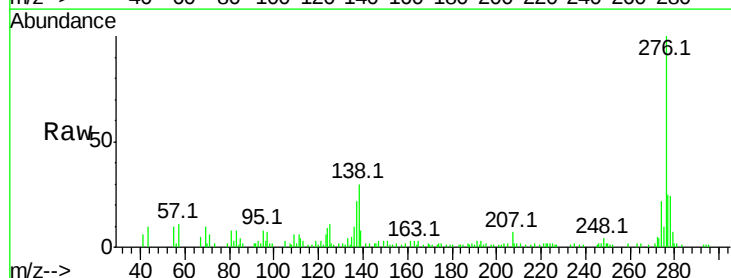
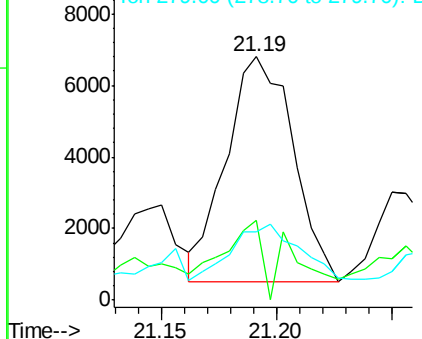
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

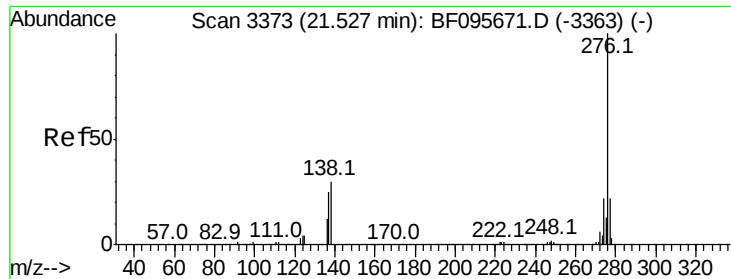


#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.0	16.6	24.8#
279	28.0	19.3	28.9

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
Benzo(a,h,i)perylene
Concen: 8.34 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)20170603

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	31.8	25.4	38.0

Manual Integrations
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