

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095739.D
 Acq On : 7 Jun 2017 9:53
 Operator : SJ/MA
 Sample : I3436-06DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

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Quant Time: Jun 07 11:45:48 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	68724	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	259199	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	99980	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	153867	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	134105	20.00	ng	-0.01
86) Perylene-d12	20.01	264	94661	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	123564	28.65	ng	0.00
7) Phenol-d6	6.95	99	144261	27.94	ng	-0.01
23) Nitrobenzene-d5	8.30	82	78132	18.72	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	20925	23.66	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	151509	21.09	ng	-0.02
78) Terphenyl-d14	17.00	244	90618	16.77	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	9.45	128	62948	4.839	ng	98
49) Dimethylphthalate	11.89	163	39330	5.181	ng	98
51) Acenaphthene	12.29	154	15552	2.446	ng	95
54) Dibenzofuran	12.58	168	31329	3.501	ng	97
57) Fluorene	13.13	166	30033	3.856	ng	100
70) Phenanthrene	14.67	178	291376	32.820	ng	98
71) Anthracene	14.76	178	72817	7.856	ng	97
72) Carbazole	15.06	167	27869	3.085	ng	98
74) Fluoranthene	16.44	202	229763	26.148	ng	98
77) Pyrene	16.74	202	185345	18.523	ng	97
80) Benzo(a)anthracene	18.33	228	70785	9.079	ng	98
82) Chrysene	18.37	228	61704	7.919	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	18286	2.743	ng	99
87) Benzo(b)fluoranthene	19.61	252	49505m	8.352	ng	
88) Benzo(k)fluoranthene	19.64	252	19468m	3.436	ng	
89) Benzo(a)pyrene	19.96	252	37457	6.875	ng	96
91) Benzo(g,h,i)perylene	21.53	276	15976	3.391	ng	97

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

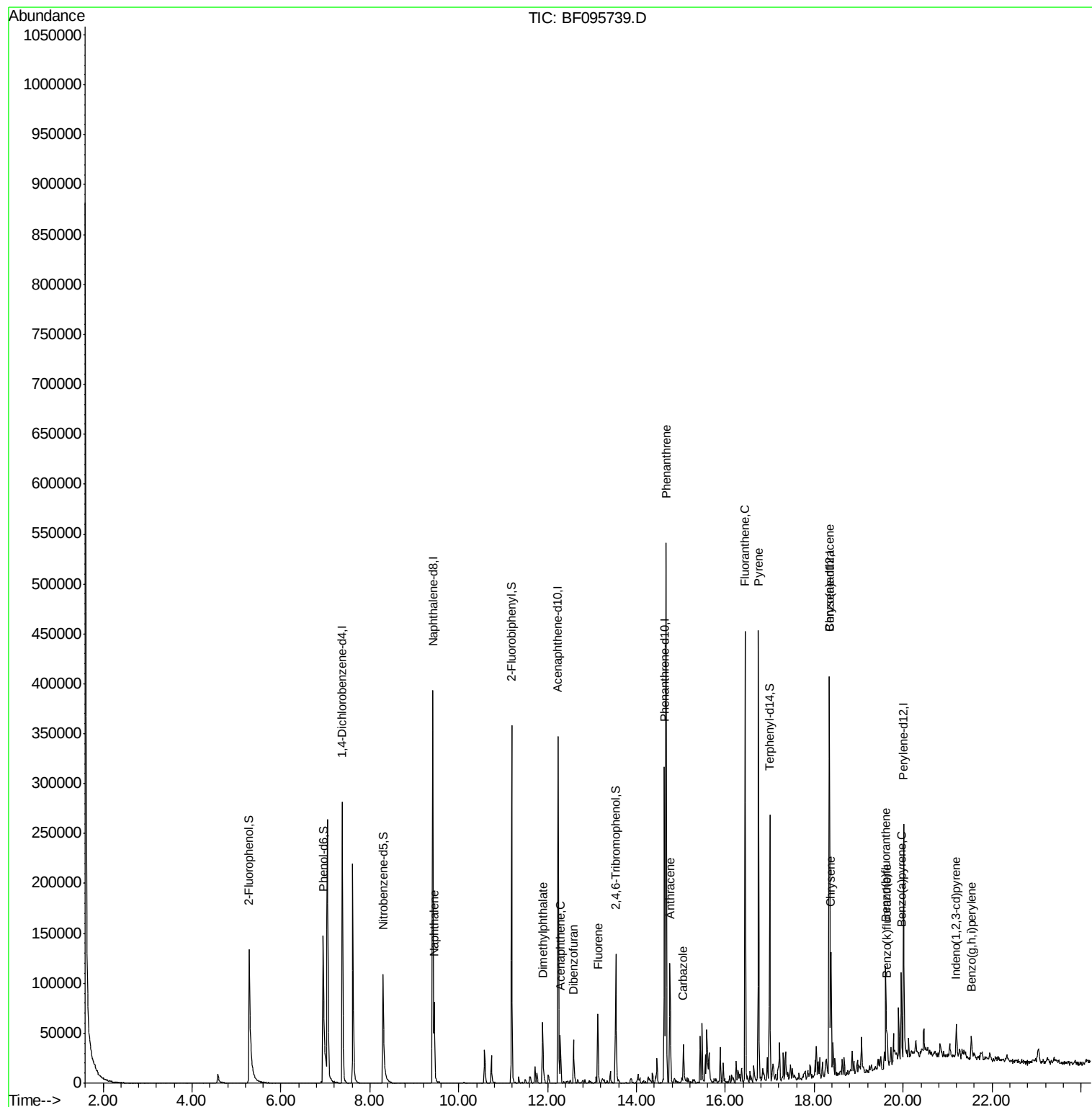
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095739.D
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Sample : I3436-06DL 5X
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ALS Vial : 27 Sample Multiplier: 1

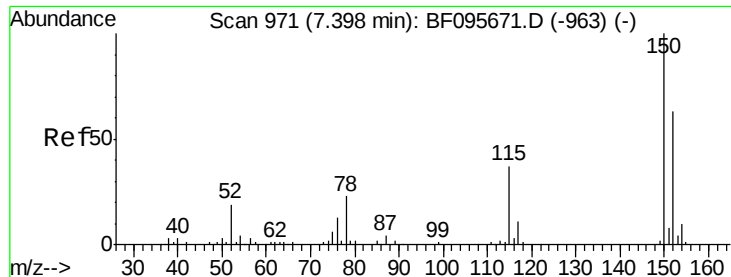
Instrument :
BNA_F
ClientSampleId :
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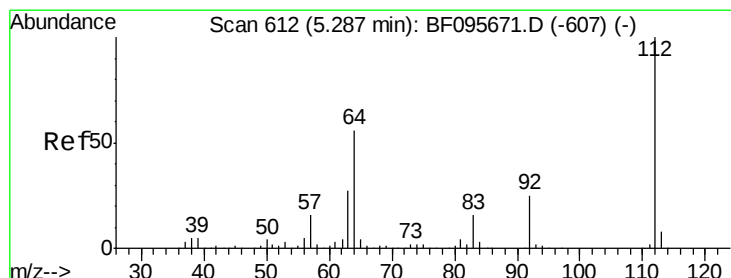
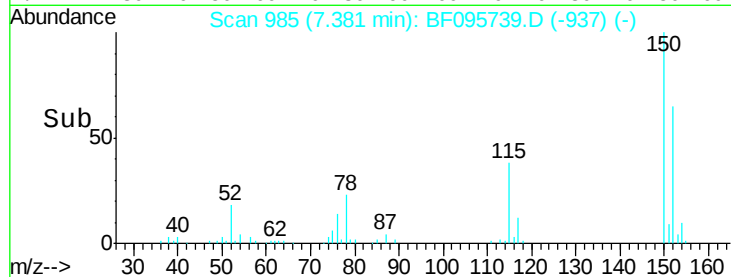
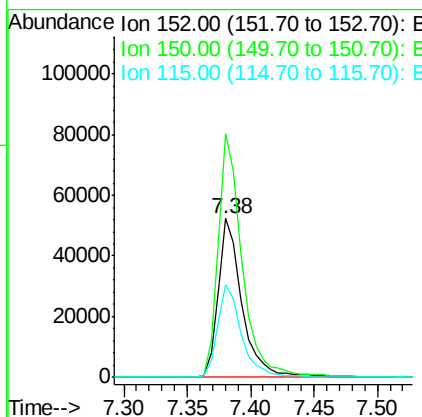
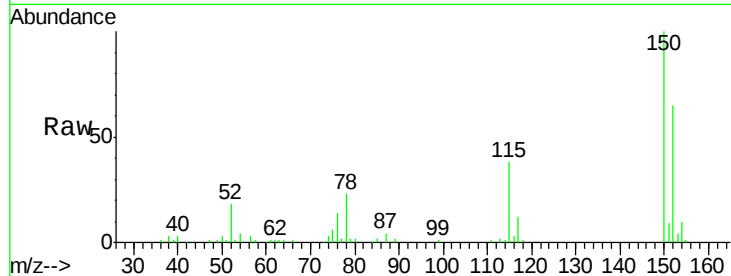
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	58.1	52.2	78.2

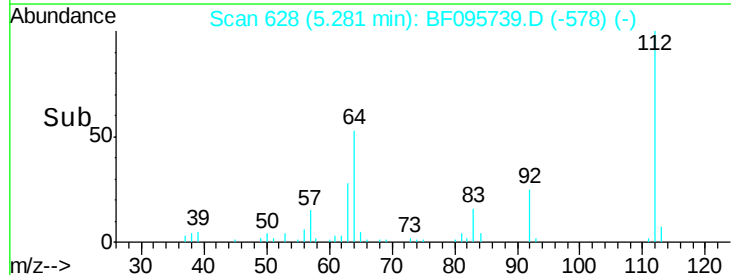
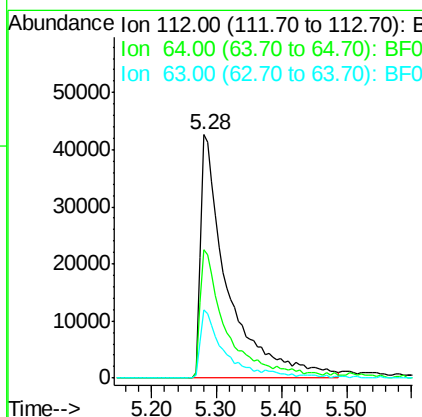
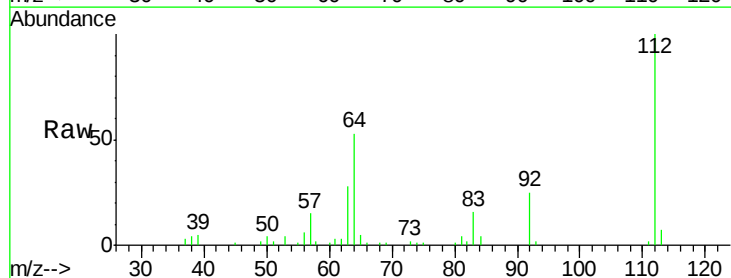
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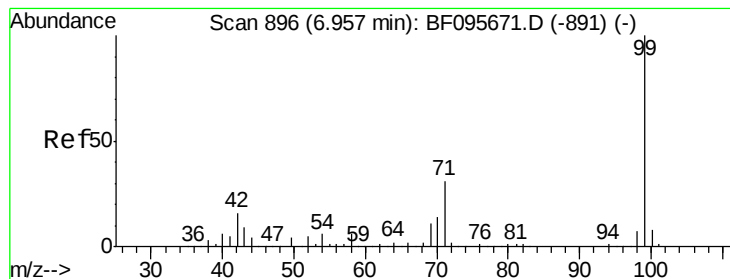
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#5
 2-Fluorophenol
 Concen: 28.650 ng
 RT: 5.28 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 27.940 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095739.D

Acq: 7 Jun 2017 9:53

Instrument :

BNA_F

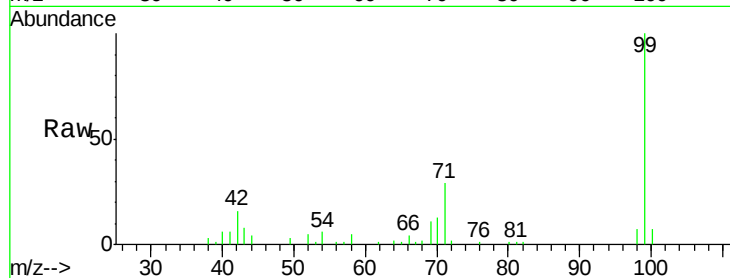
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SB-07-COMPDL

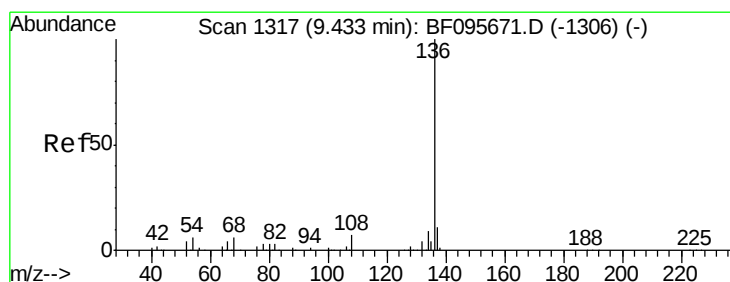
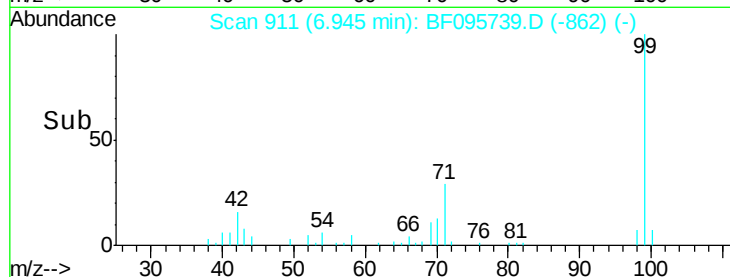
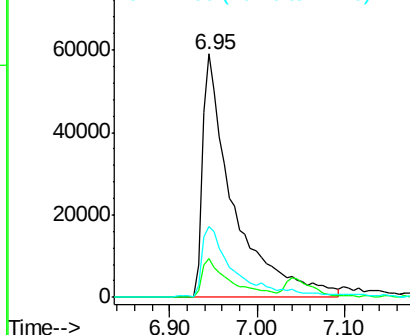
Tgt Ion:	99	Resp:	144261
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	29.0	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.42 min Scan# 1331

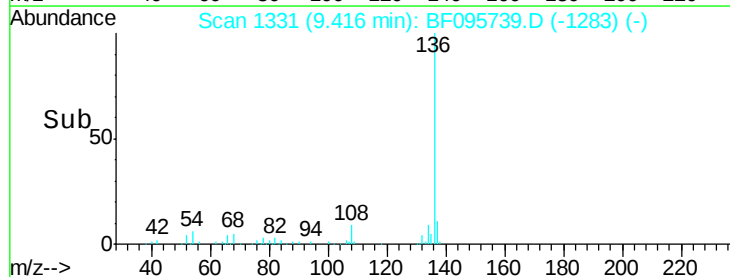
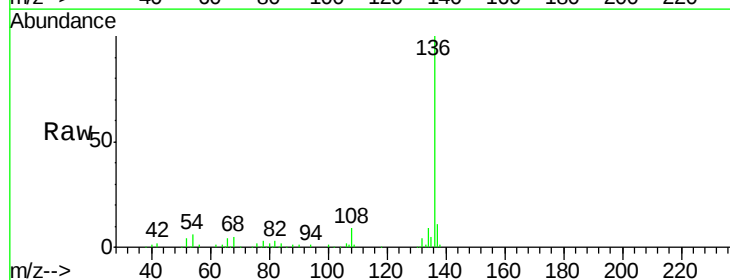
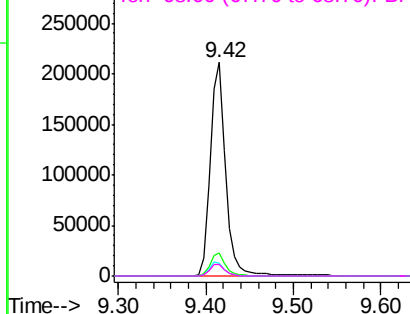
Delta R.T. -0.02 min

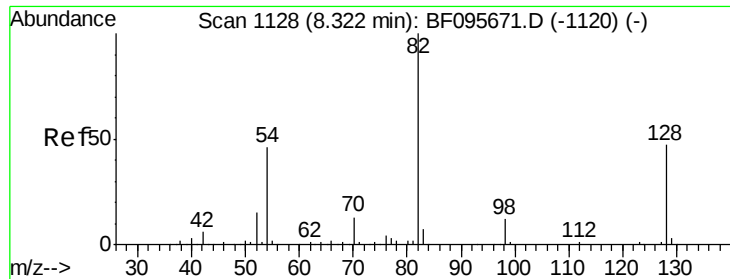
Lab File: BF095739.D

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Tgt Ion:	136	Resp:	259199
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.2	4.9	7.3
68	5.4	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





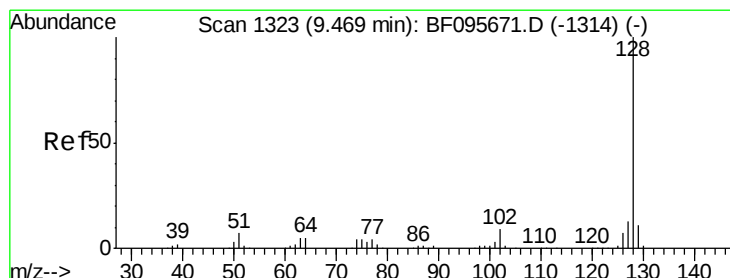
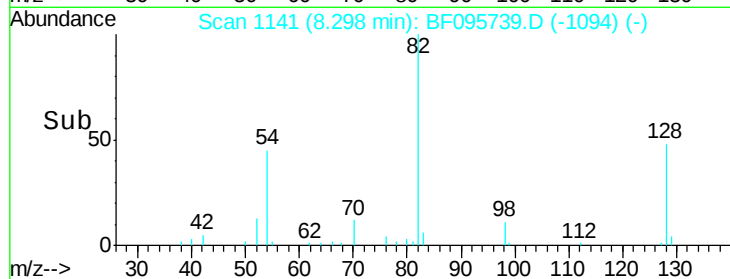
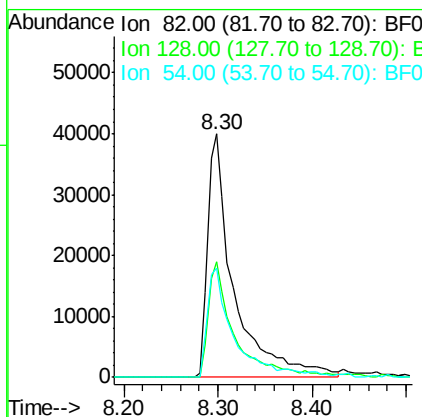
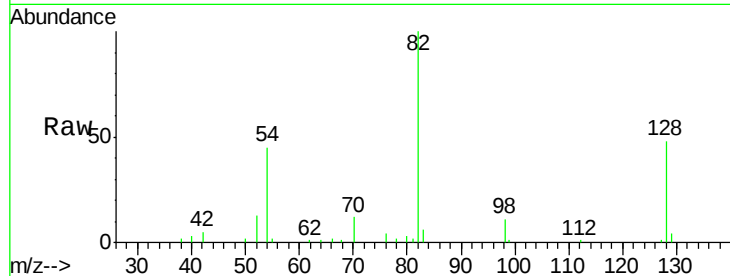
#23
 Nitrobenzene-d5
 Concen: 18.721 ng
 RT: 8.30 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	44.8	42.2	63.2

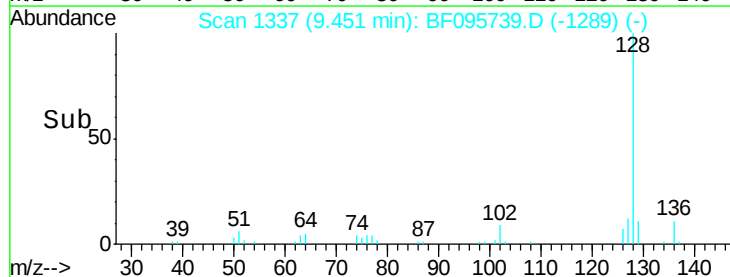
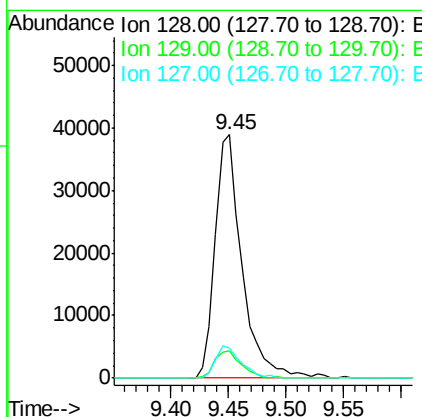
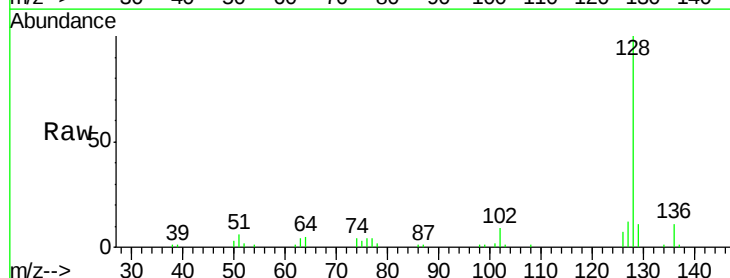
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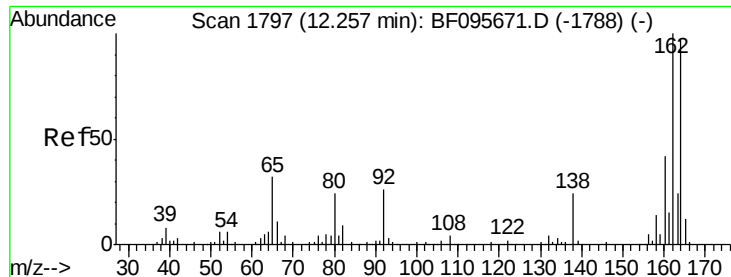
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#31
 Naphthalene
 Concen: 4.839 ng
 RT: 9.45 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.3	10.8	16.2





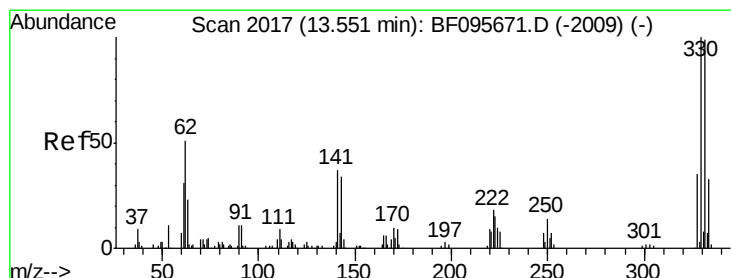
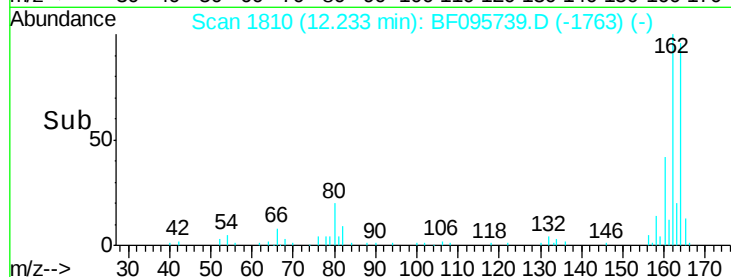
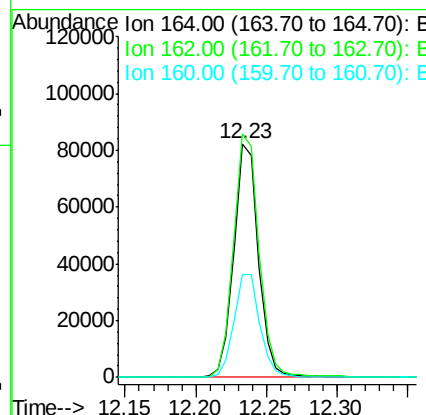
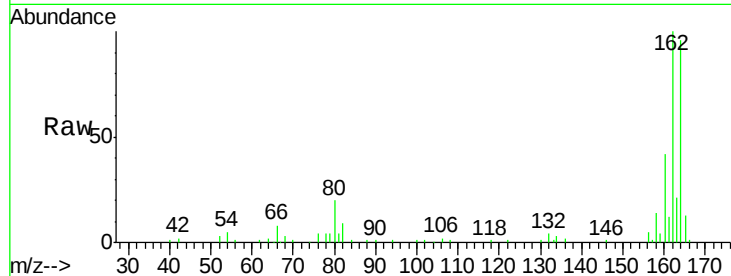
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99980		
162	104.2	82.6	123.8	
160	43.8	36.2	54.2	

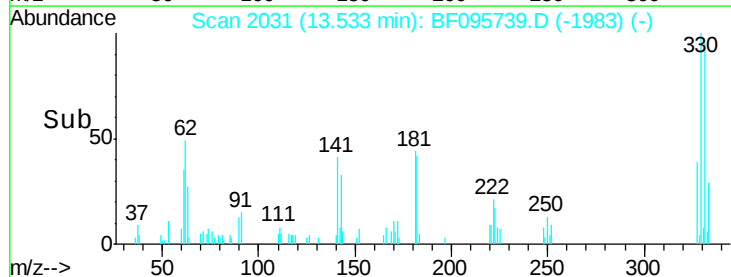
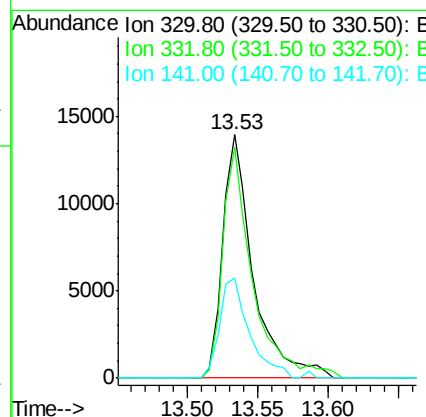
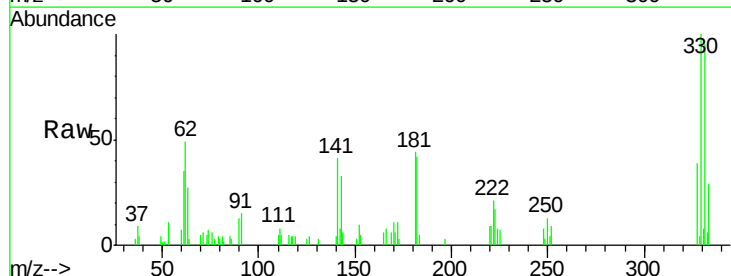
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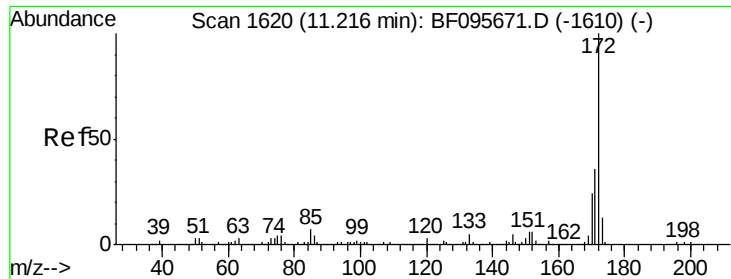
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#41
2,4,6-Tribromophenol
Concen: 23.655 ng
RT: 13.53 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20925		
332	93.1	76.6	115.0	
141	40.0	31.4	47.2	





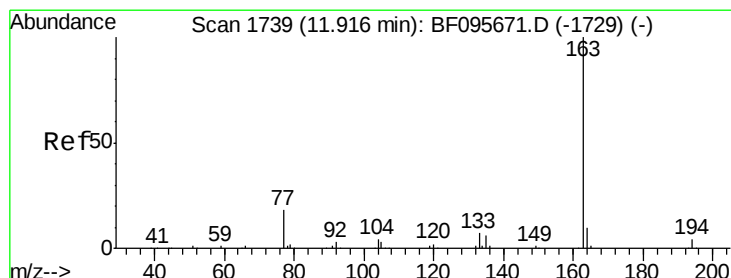
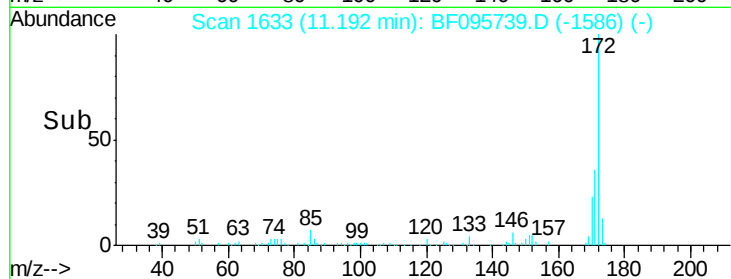
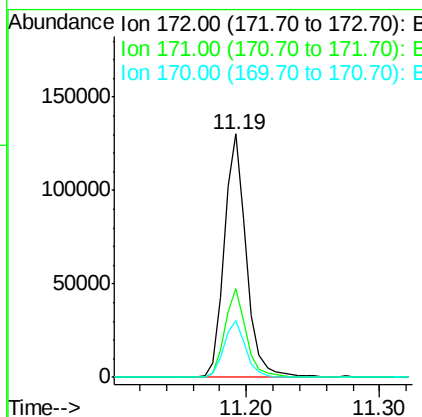
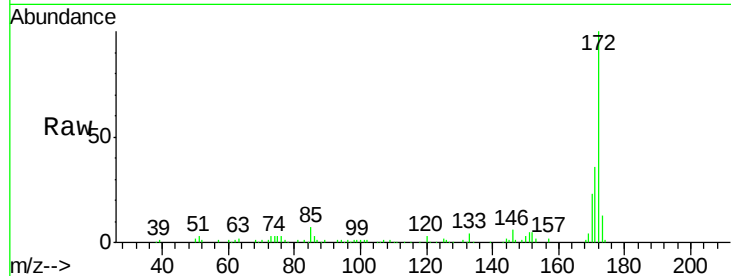
#44
2-Fluorobiphenyl
Concen: 21.088 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	151509		
171	36.3	29.6	44.4	
170	23.2	19.8	29.8	

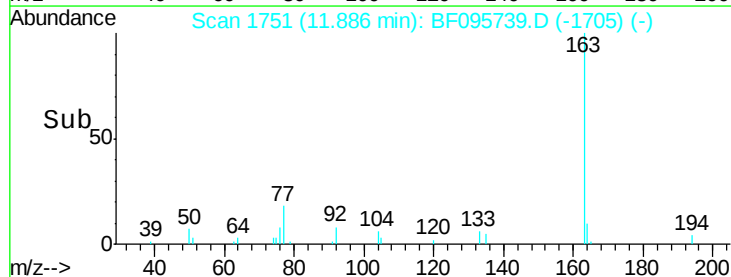
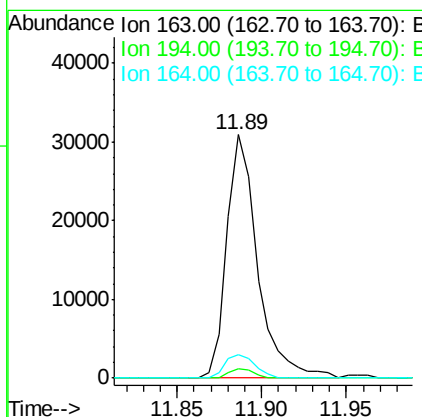
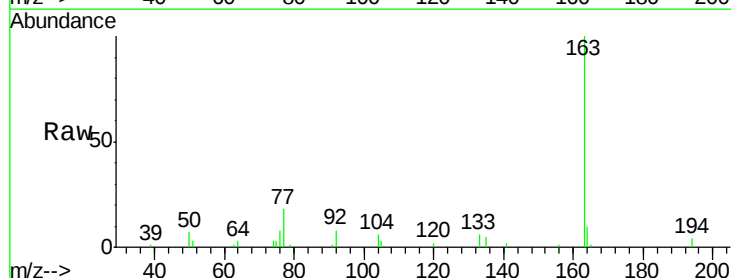
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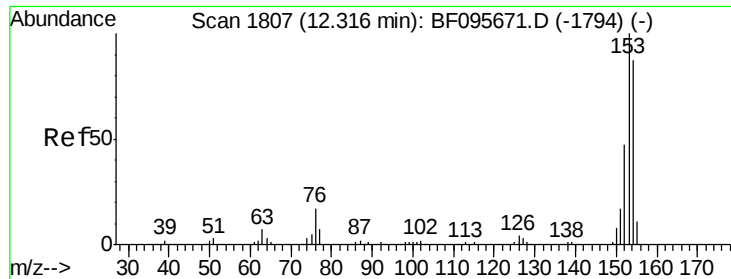
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#49
Dimethylphthalate
Concen: 5.181 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	39330		
194	3.7	2.6	4.0	
164	9.5	8.4	12.6	





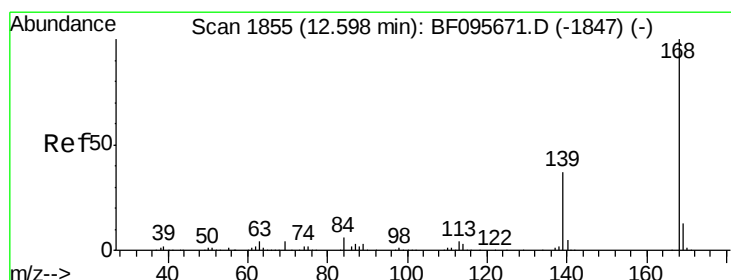
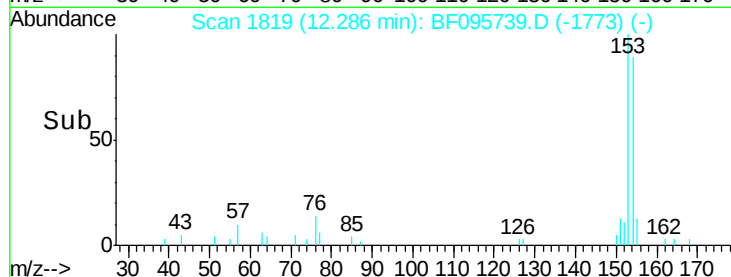
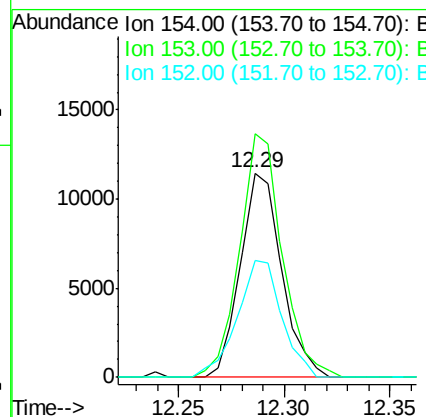
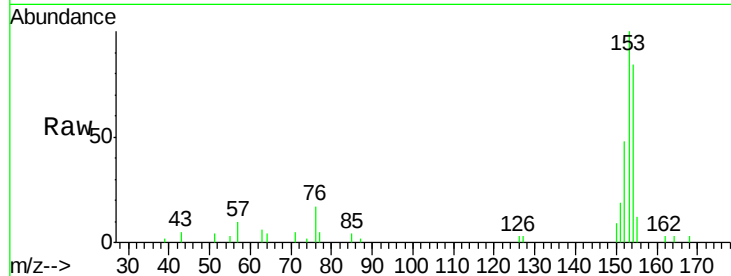
#51
Acenaphthene
Concen: 2.446 ng
RT: 12.29 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	15552		
153	119.1	90.5	135.7	
152	56.9	43.6	65.4	

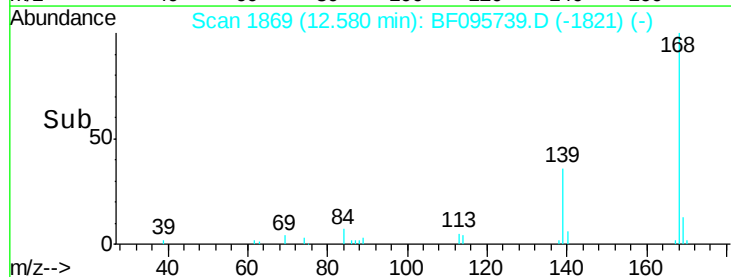
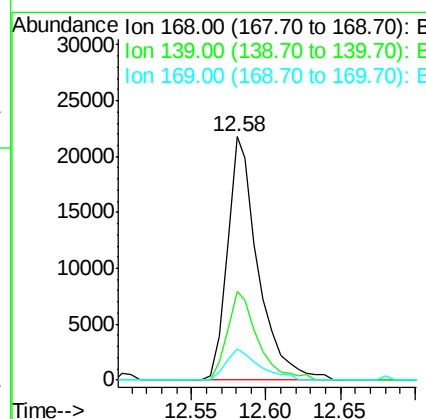
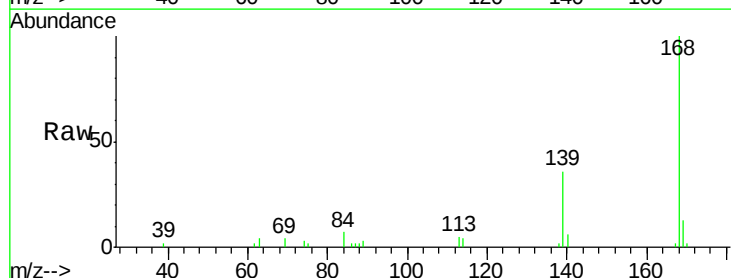
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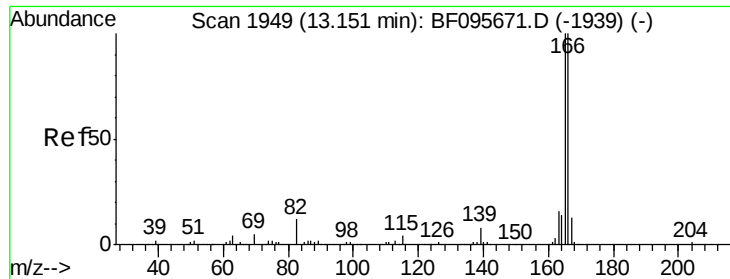
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#54
Dibenzofuran
Concen: 3.501 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	31329		
139	36.3	30.6	45.8	
169	12.6	10.8	16.2	





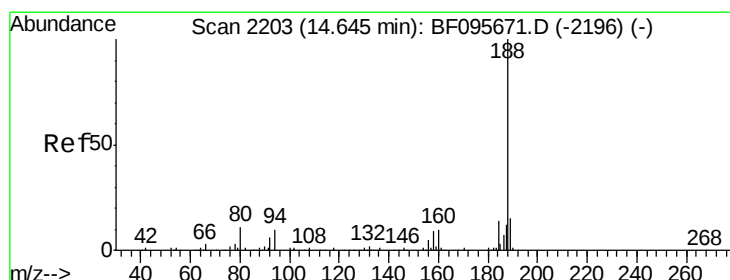
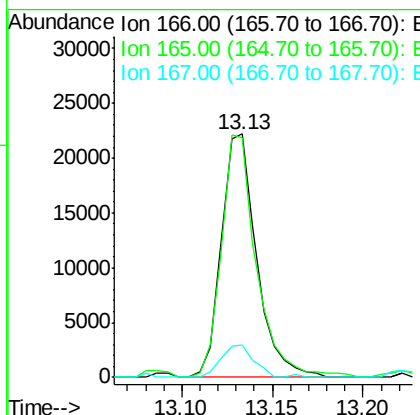
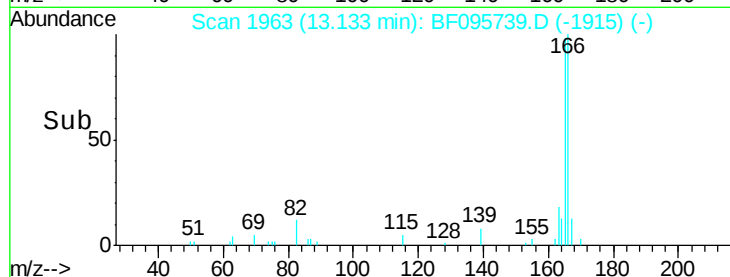
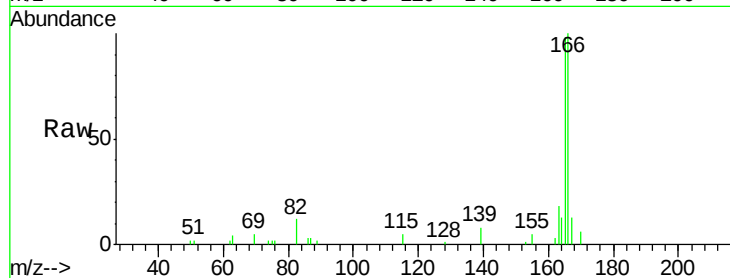
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Fluorene
 Concen: 3.856 ng
 RT: 13.13 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.2	10.6	16.0

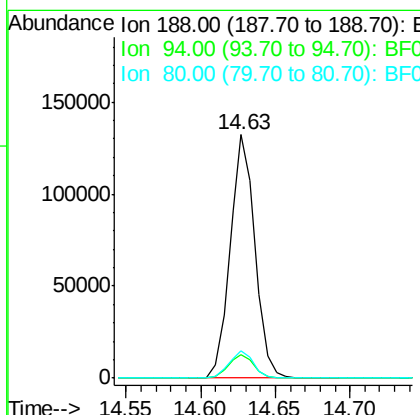
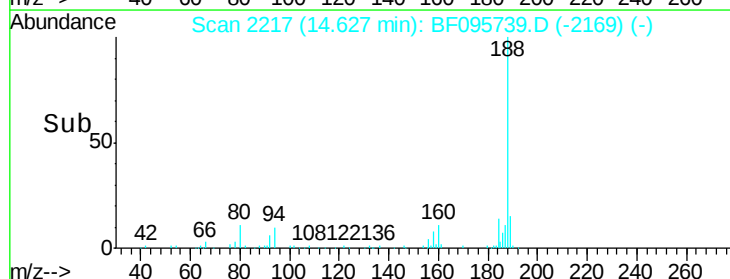
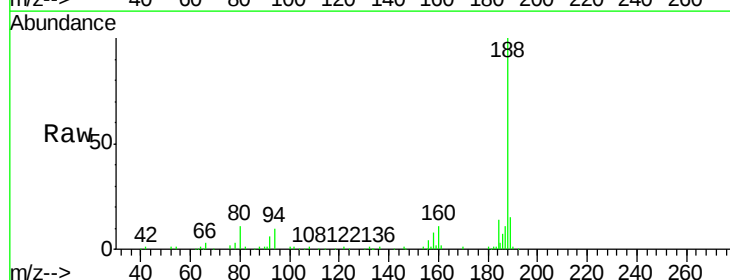
Manual Integrations
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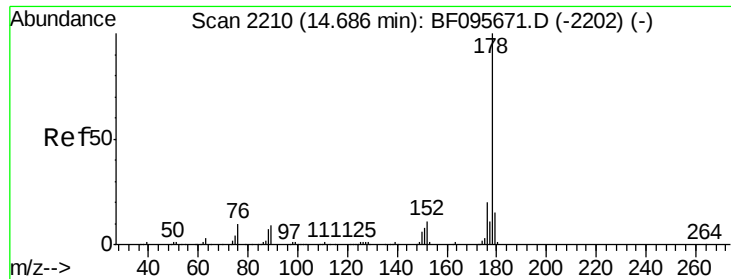
mohammad
 6/7/2017 2:19:33 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	11.2	10.2	15.2





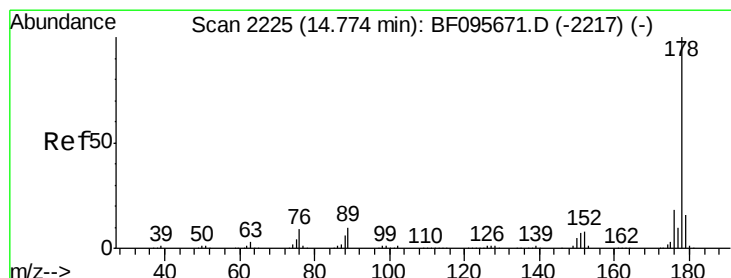
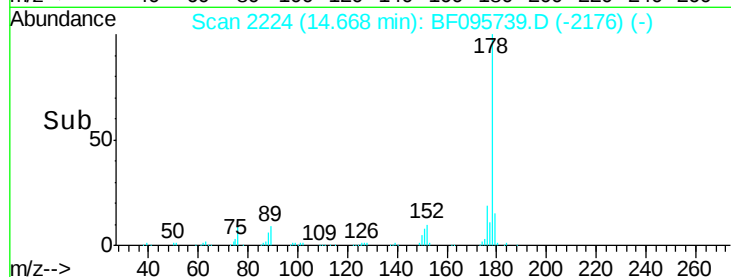
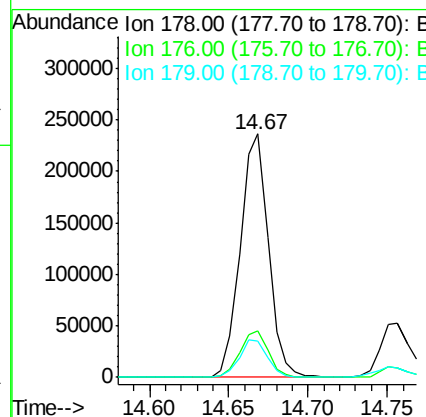
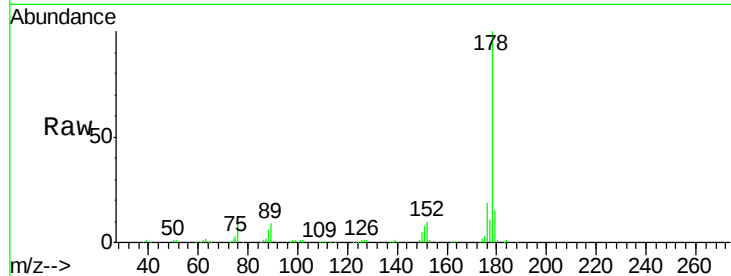
#70
Phenanthrene
Concen: 32.820 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	14.9	12.6	19.0

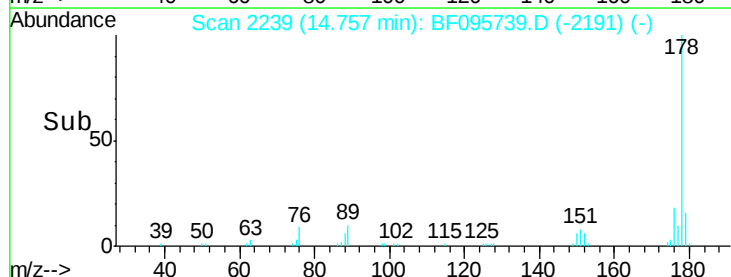
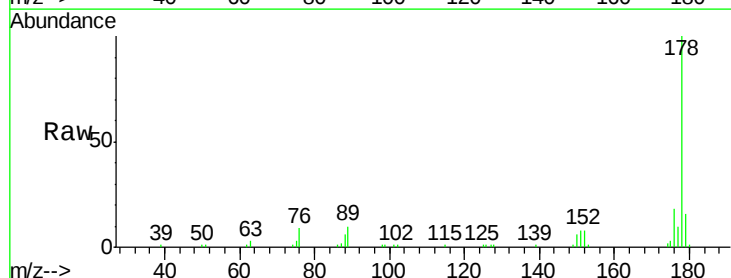
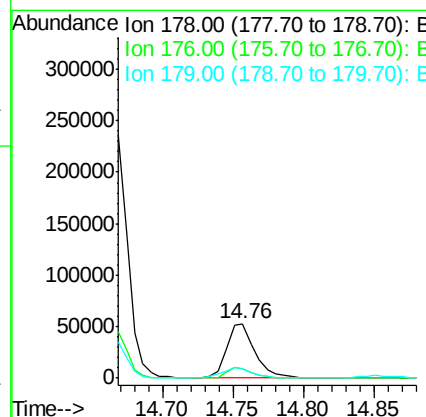
Manual Integrations
APPROVED

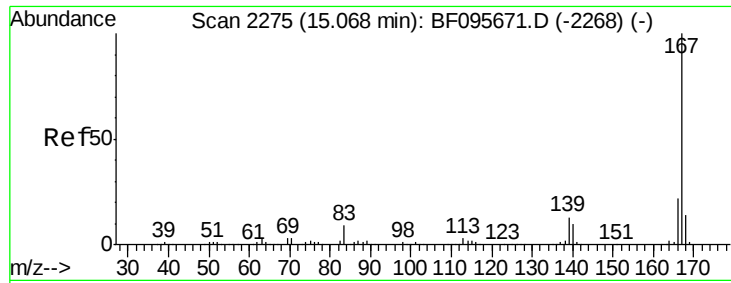
mohammad
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#71
Anthracene
Concen: 7.856 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	16.4	12.7	19.1





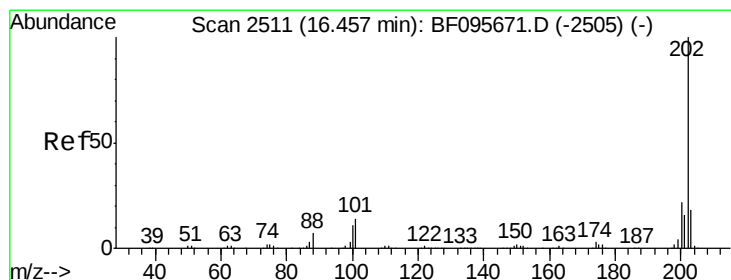
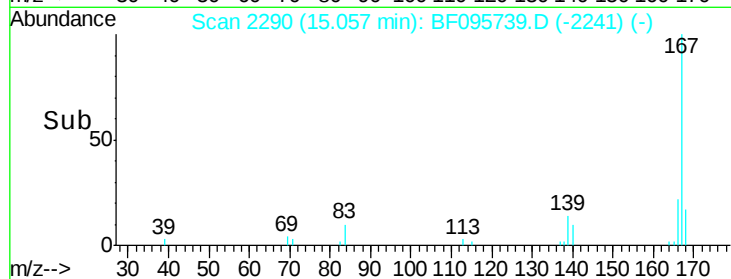
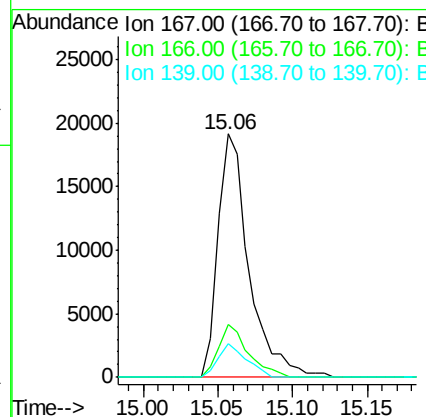
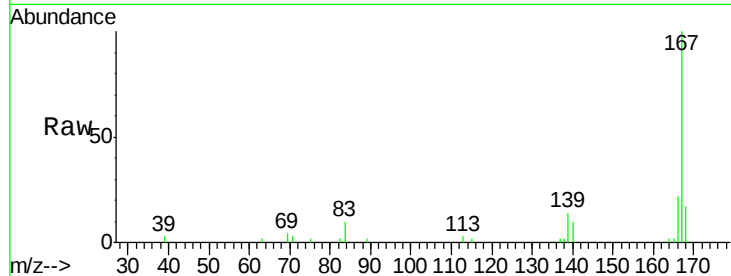
#72
 Carbazole
 Concen: 3.085 ng
 RT: 15.06 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	14.0	11.7	17.5

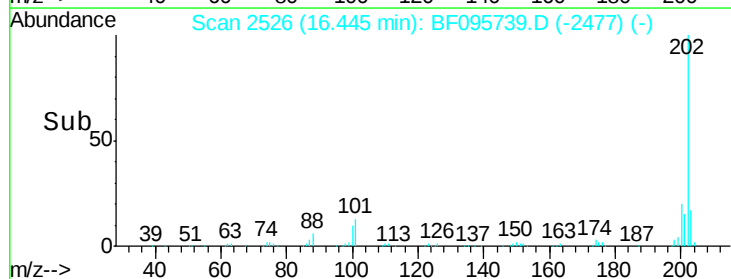
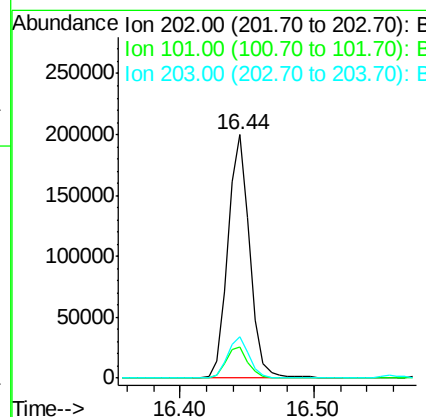
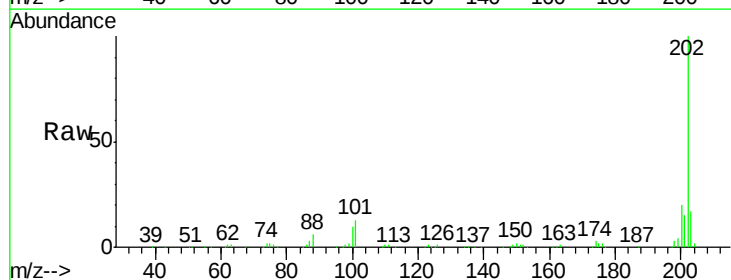
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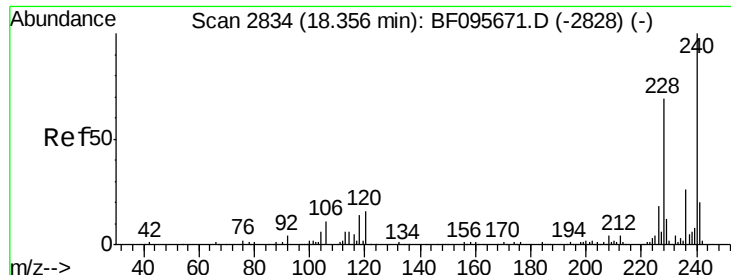
mohammad
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#74
 Fluoranthene
 Concen: 26.148 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095739.D

Acq: 7 Jun 2017 9:53

Instrument :

BNA_F

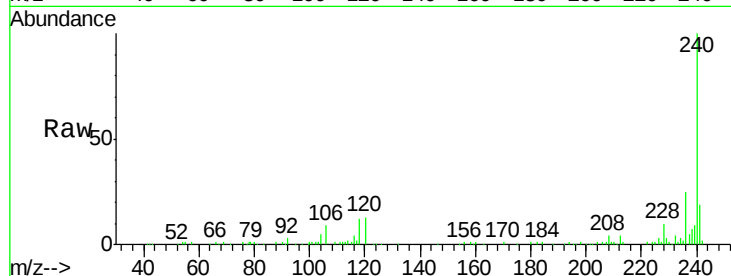
ClientSampleId :

SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.8	8.8#
236	25.0	20.5	30.7

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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

18.34

150000

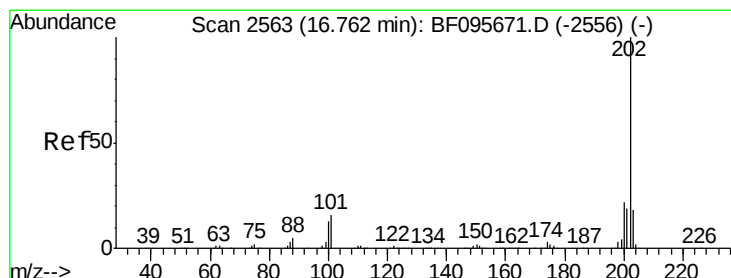
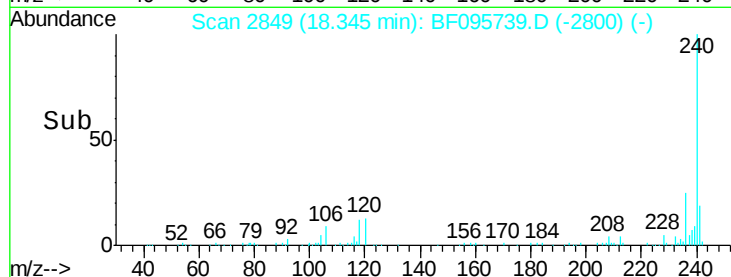
100000

50000

0

18.30 18.40

Time-->



#77

Pyrene

Concen: 18.523 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095739.D

Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	20.7	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

16.74

200000

150000

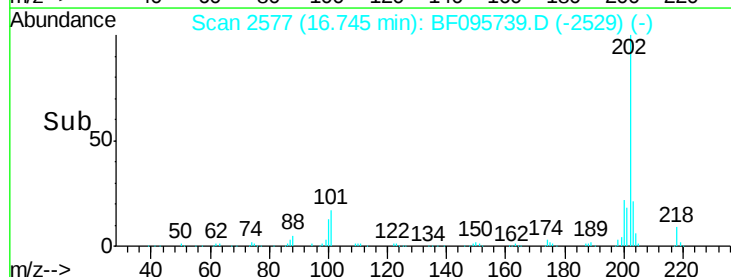
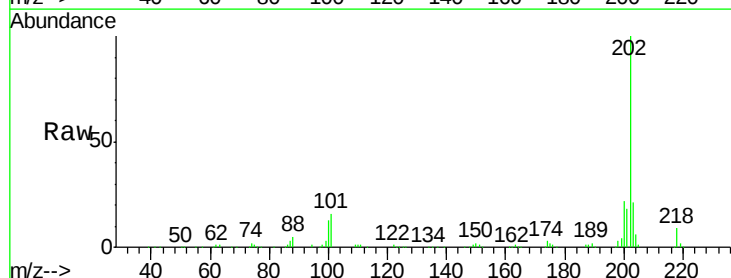
100000

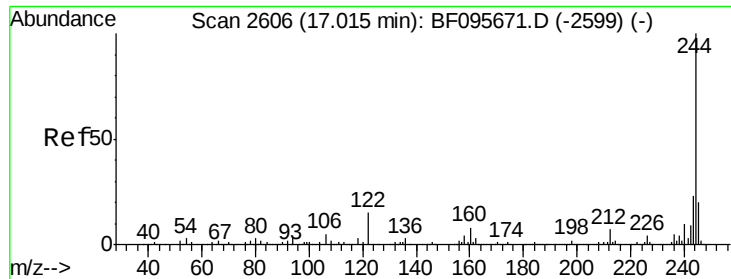
50000

0

16.70 16.75 16.80

Time-->





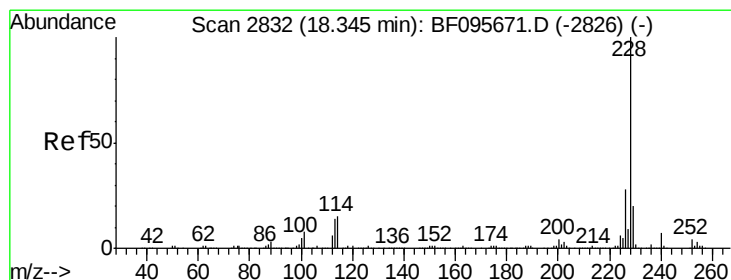
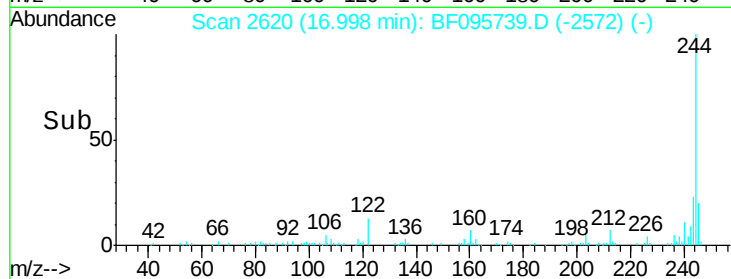
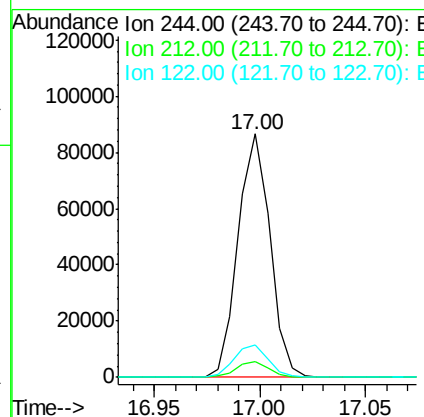
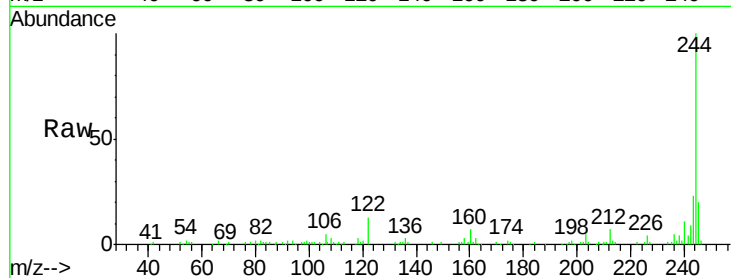
#78
 Terphenyl-d14
 Concen: 16.770 ng
 RT: 17.00 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	6.0	9.0
122	13.1	10.3	15.5

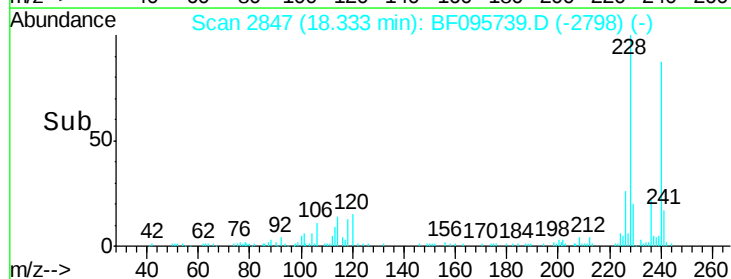
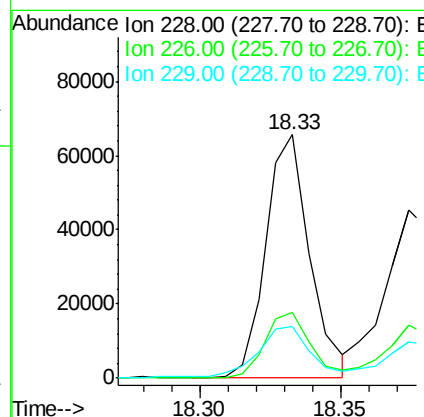
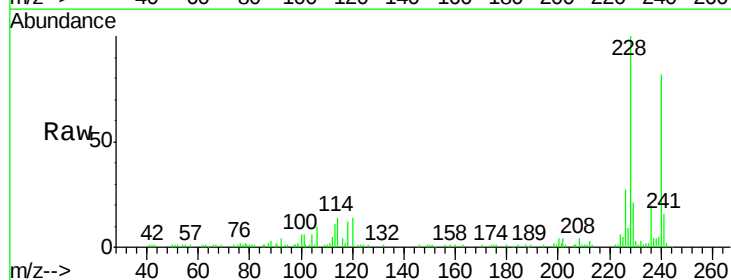
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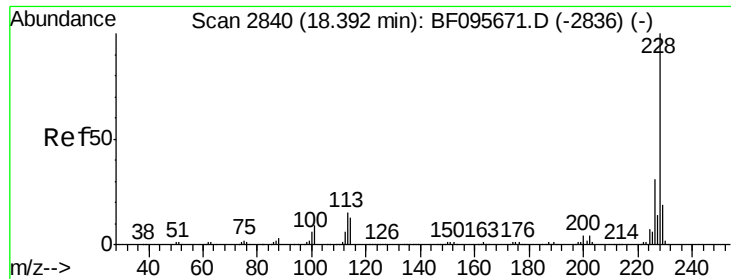
mohammad
 6/7/2017 2:19:33 PM



#80
 Benzo(a)anthracene
 Concen: 9.079 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095739.D
 Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.9	22.6	33.8
229	21.1	16.3	24.5





#82

Chrysene

Concen: 7.919 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095739.D

Acq: 7 Jun 2017 9:53

Instrument :

BNA_F

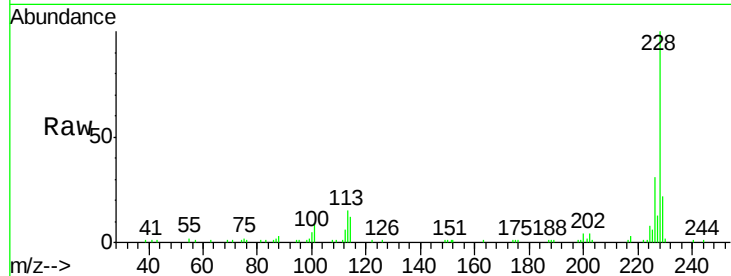
ClientSampleId :

SB-07-COMPDL

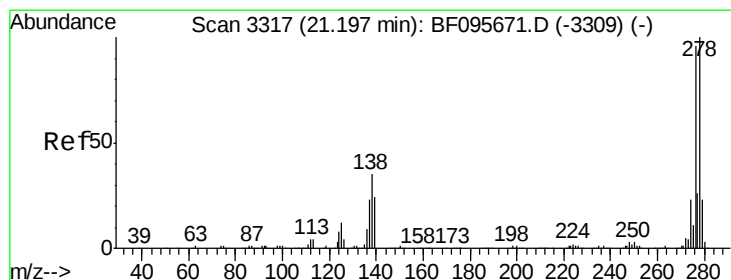
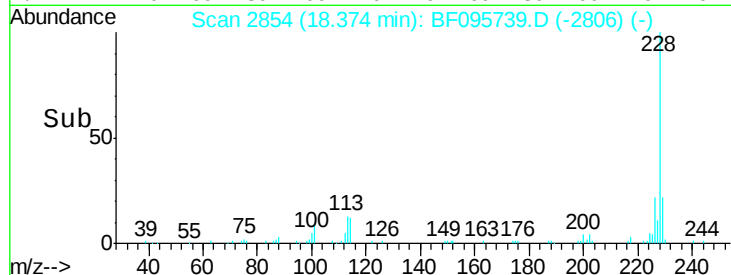
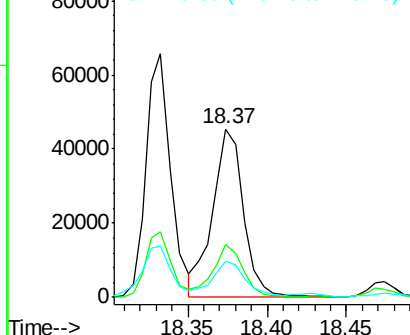
Tgt Ion:	228	Resp:	61704
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	21.8	15.8	23.6

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.743 ng

RT: 21.20 min Scan# 3334

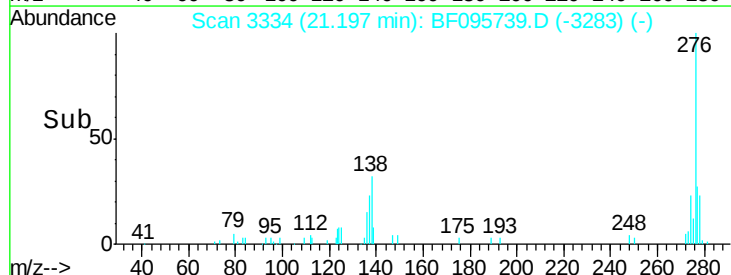
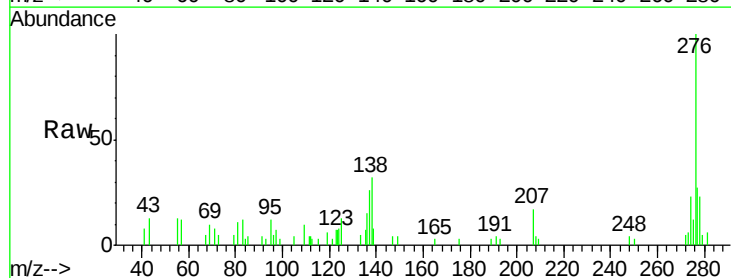
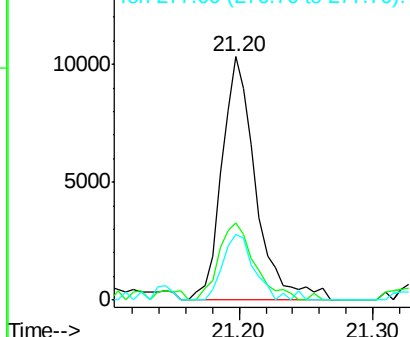
Delta R.T. -0.00 min

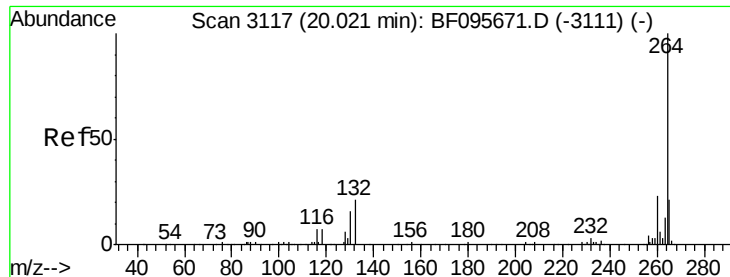
Lab File: BF095739.D

Acq: 7 Jun 2017 9:53

Tgt Ion:	276	Resp:	18286
Ion Ratio	Lower	Upper	
276	100		
138	33.7	27.8	41.6
277	24.8	20.2	30.4

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





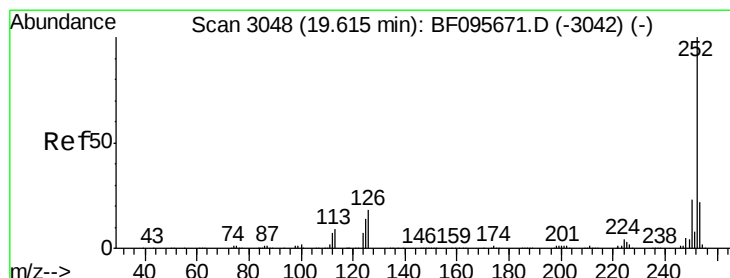
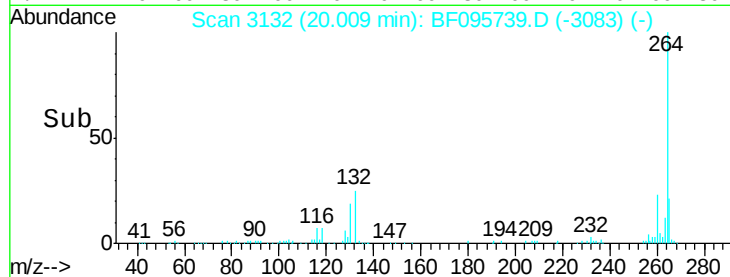
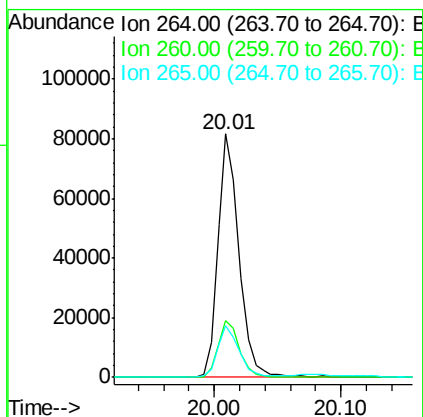
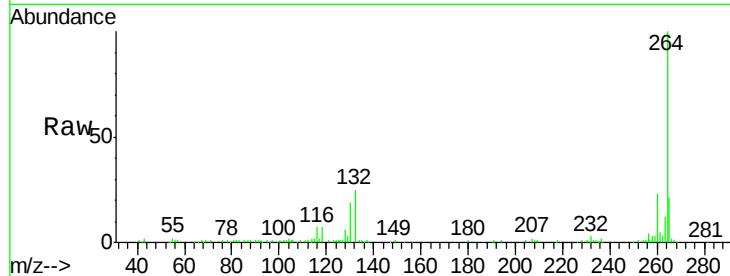
#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	17.2	25.8

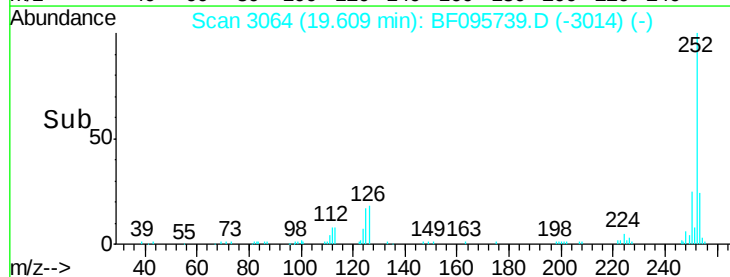
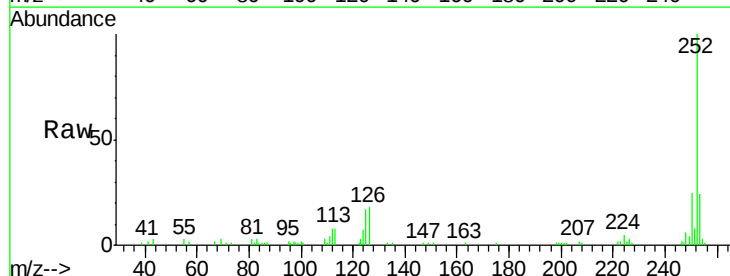
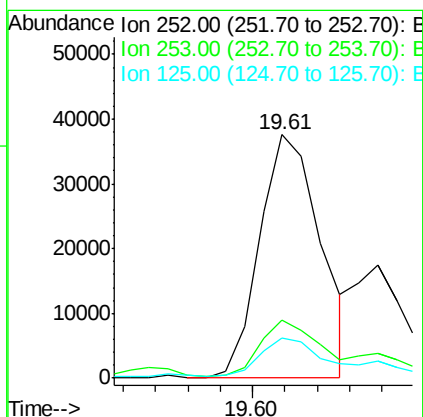
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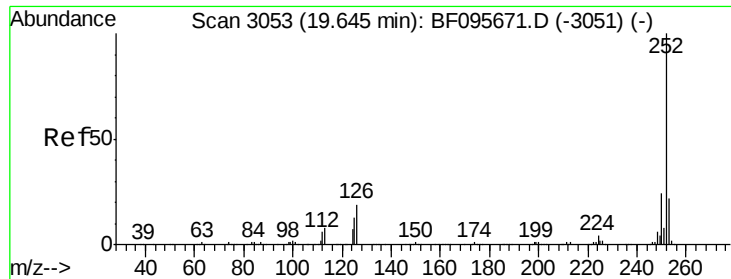
mohammad
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#87
Benzo(b)fluoranthene
Concen: 8.352 ng m
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	16.7	9.8	14.8#





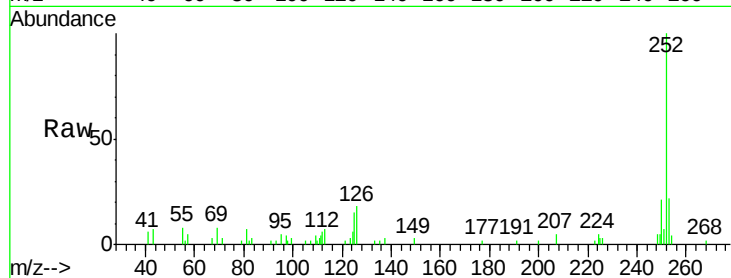
#88
Benzo(k)fluoranthene
Concen: 3.436 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

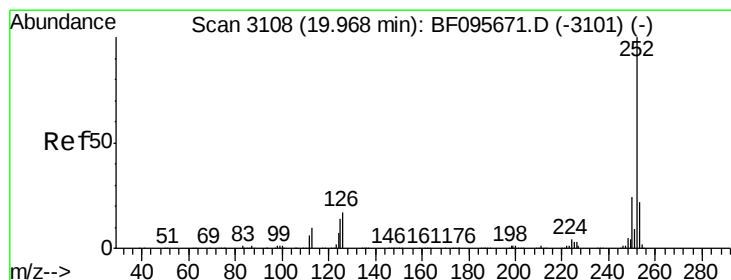
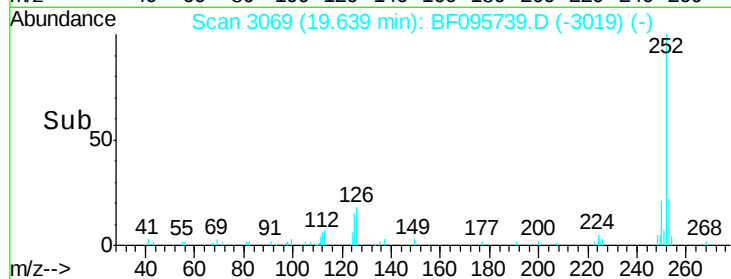
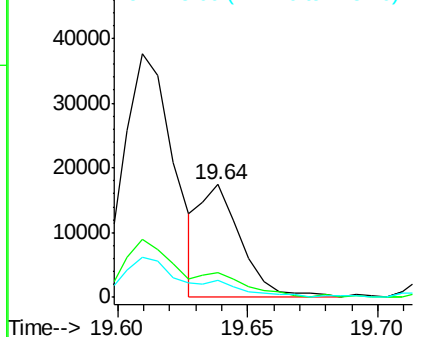
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	15.4	13.1	19.7

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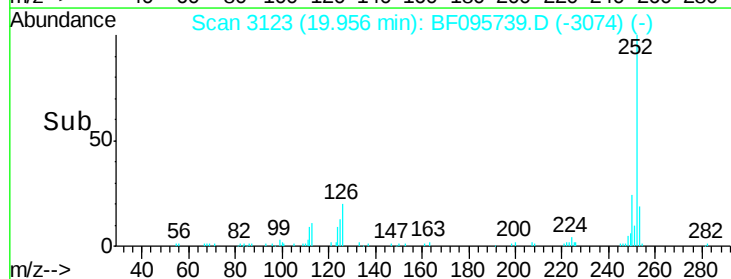
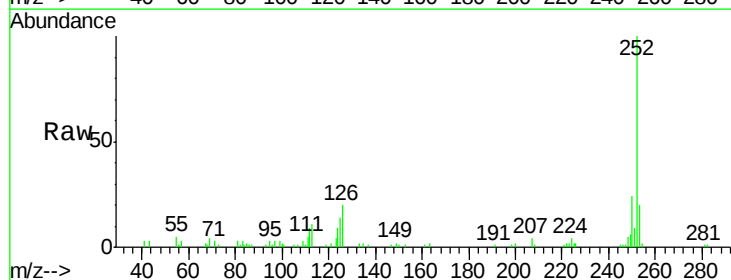
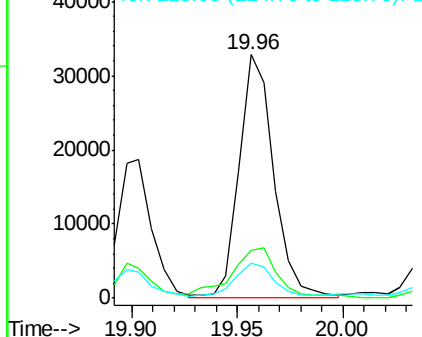
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

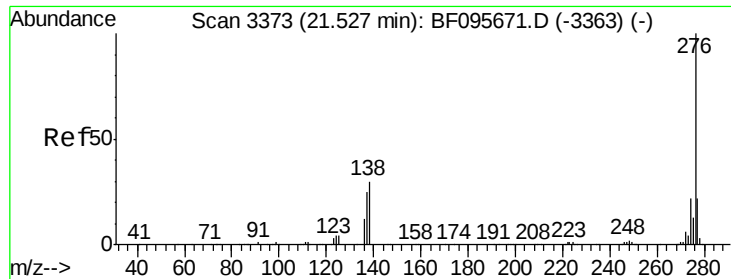


#89
Benzo(a)pyrene
Concen: 6.875 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095739.D
Acq: 7 Jun 2017 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.5	17.5	26.3
125	14.4	11.0	16.4

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





#91

Benzo(g,h,i)perylene

Concen: 3.391 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095739.D

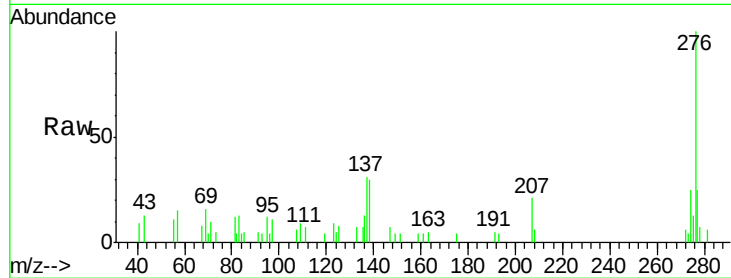
Acq: 7 Jun 2017 9:53

Instrument :

BNA_F

ClientSampleId :

SB-07-COMPDL



Tgt Ion:	276	Resp:	15976
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	28.0
138	30.4	25.4	38.0

Manual Integrations
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