

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079308.D
 Acq On : 16 May 2015 12:01
 Operator : TP/IZ
 Sample : G2266-02 2X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Quant Time: May 18 01:02:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

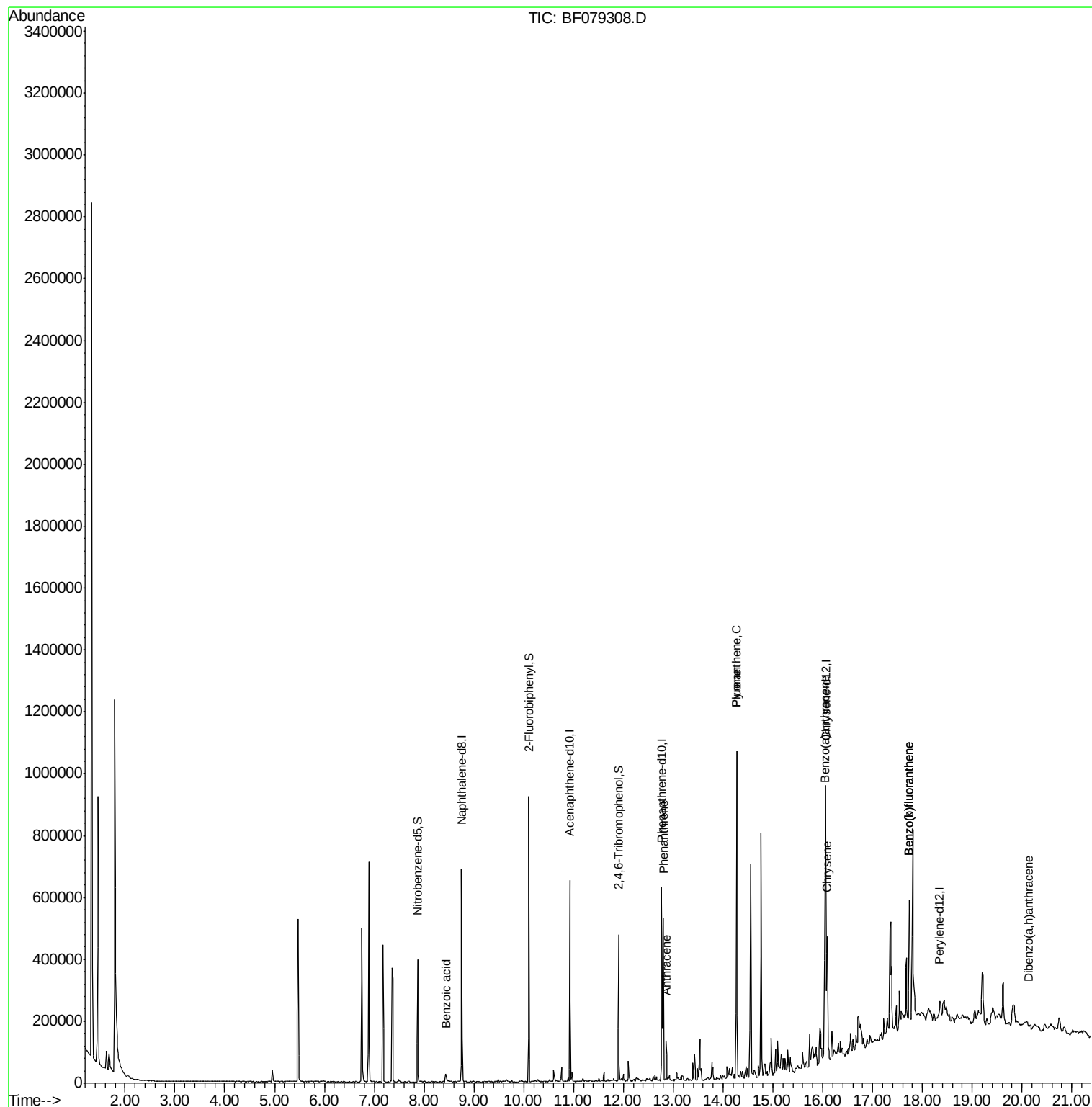
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.75	136	302482	20.00	ng	-0.05
38) Acenaphthene-d10	10.92	164	141012	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	263240	20.00	ng	-0.06
75) Chrysene-d12	16.06	240	274509	20.00	ng	-0.45
86) Perylene-d12	18.34	264	9874	20.00	ng	-0.54
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.87	82	128566	24.43	ng	-0.05
41) 2,4,6-Tribromophenol	11.91	330	62026	40.66	ng	-0.05
44) 2-Fluorobiphenyl	10.10	172	273532	27.03	ng	-0.05
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						Qvalue
32) Benzoic acid	8.43	122	7827	8.82	ng	91
70) Phenanthrene	12.80	178	209287	14.21	ng	99
71) Anthracene	12.86	178	60300	4.17	ng	98
74) Fluoranthene	14.27	202	440766	28.72	ng	97
77) Pyrene	14.27	202	440766	27.86	ng	99
80) Benzo(a)anthracene	16.05	228	213591	14.21	ng	97
82) Chrysene	16.09	228	163686	11.32	ng	98
87) Benzo(b)fluoranthene	17.74	252	178774	330.78	ng	99
88) Benzo(k)fluoranthene	17.74	252	177243	338.76	ng	# 95
90) Dibenzo(a,h)anthracene	20.13	278	1080	2.04	ng	# 1

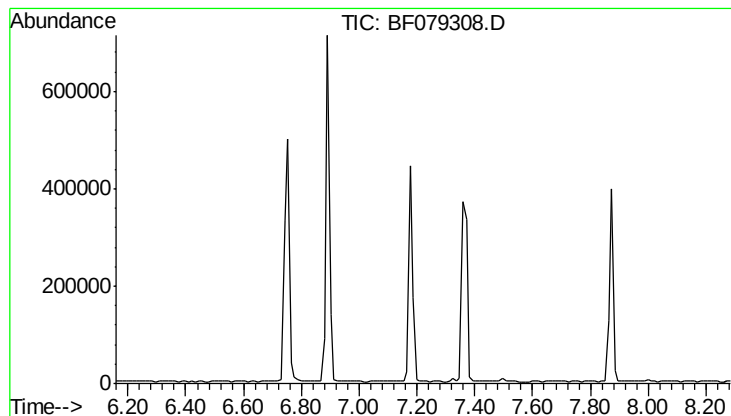
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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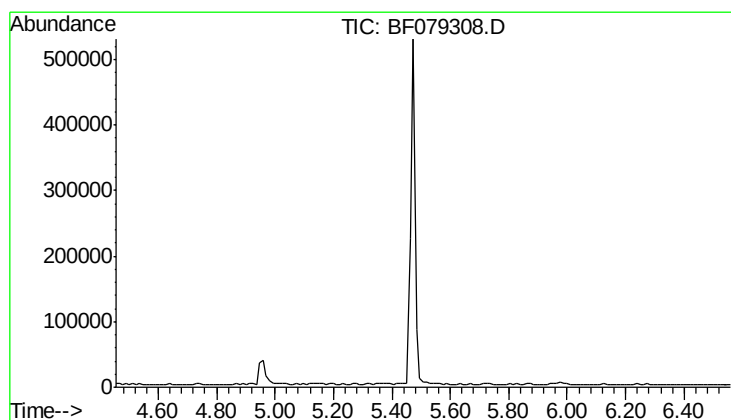
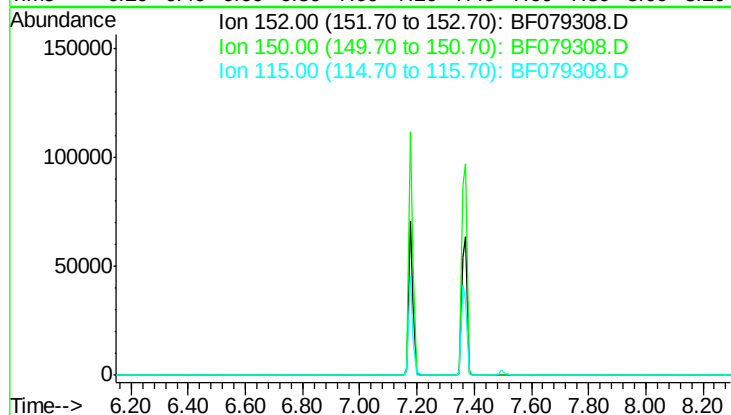




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 7.22 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

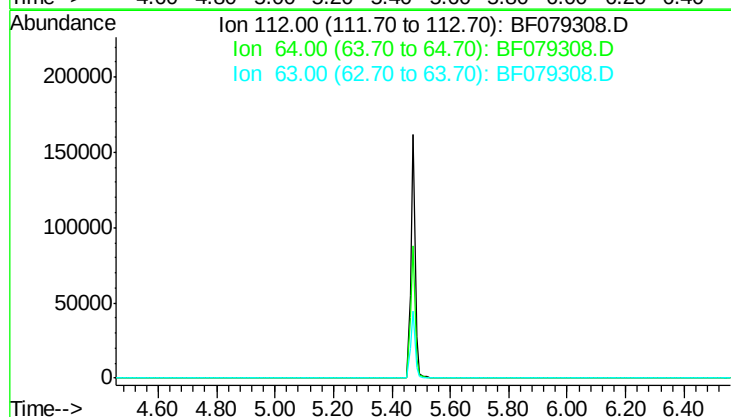
Instrument :
 BNA_F
 ClientSampleId :
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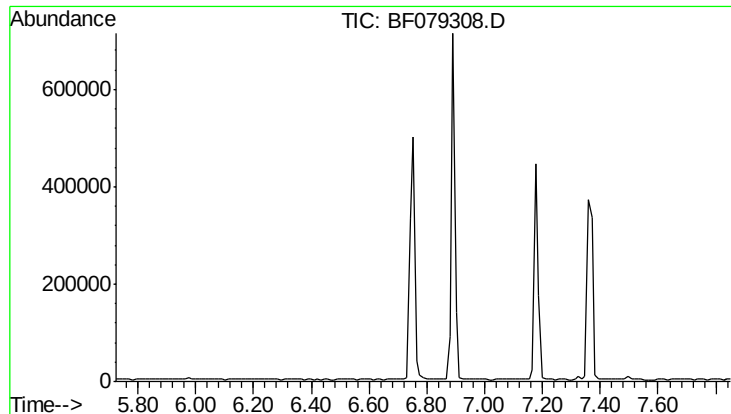
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 154.8
 115 61.7



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.51 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079308.D

Acq: 16 May 2015 12:01

Instrument :

BNA_F

ClientSampleId :

2

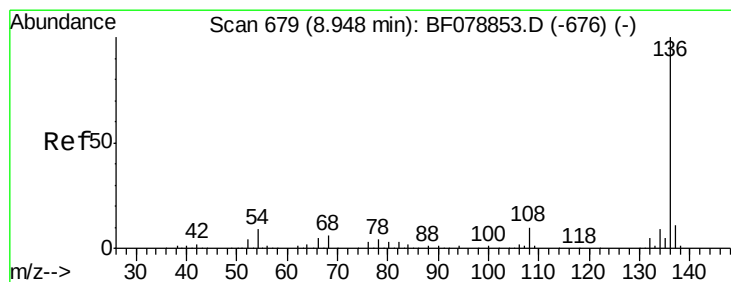
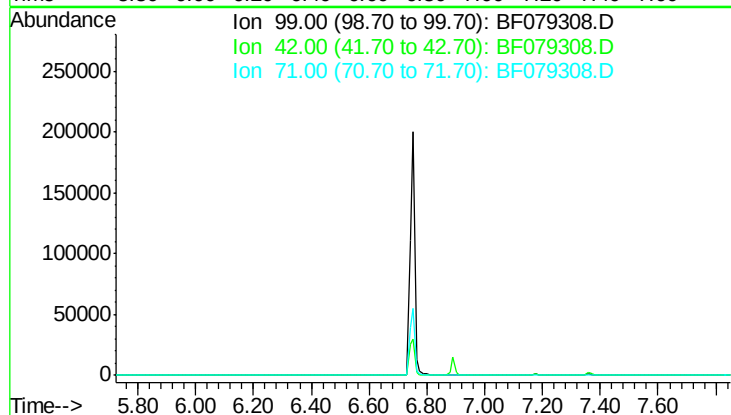
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

Delta R.T. -0.05 min

Lab File: BF079308.D

Acq: 16 May 2015 12:01

Tgt Ion:136 Resp: 302482

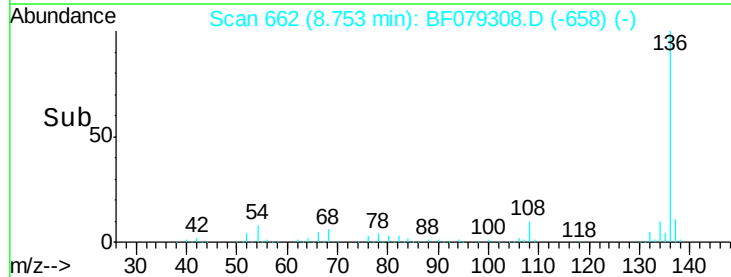
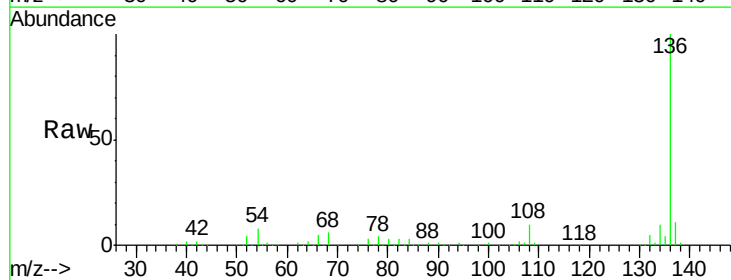
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.8 6.9 10.3

68 6.0 4.9 7.3

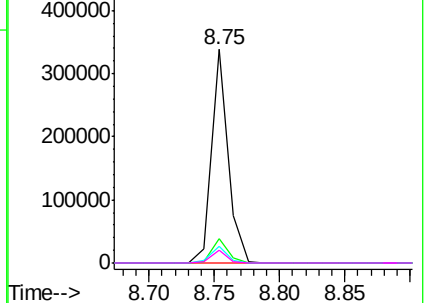


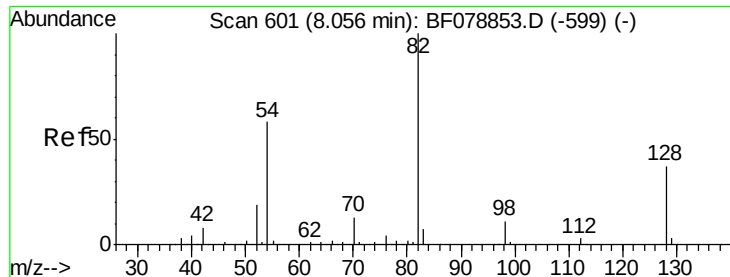
Abundance Ion 136.00 (135.70 to 136.70): E

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

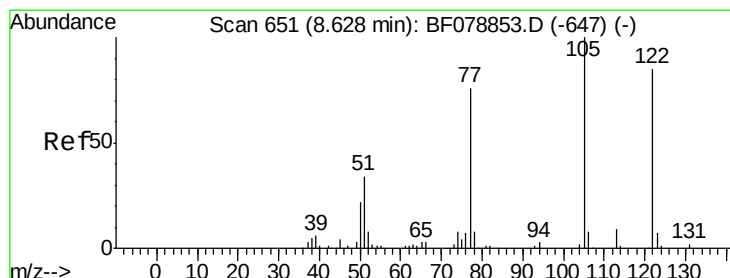
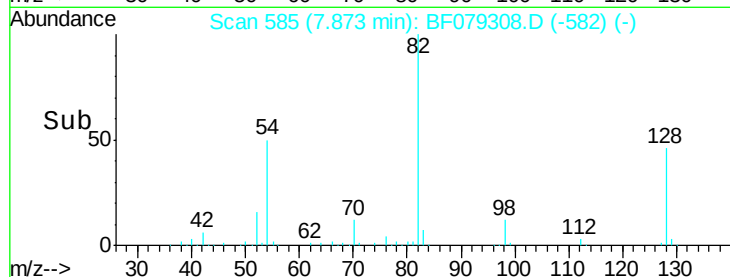
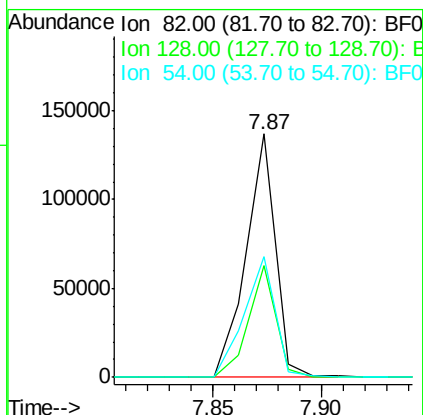
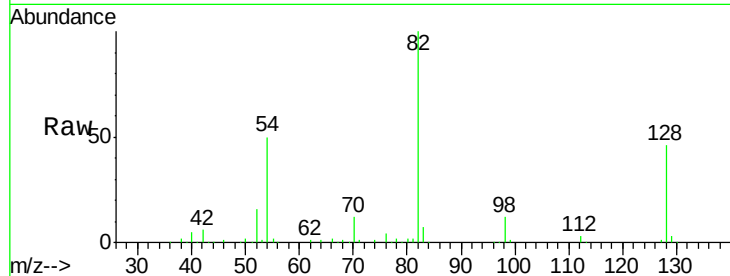




#23
 Nitrobenzene-d5
 Concen: 24.43 ng
 RT: 7.87 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

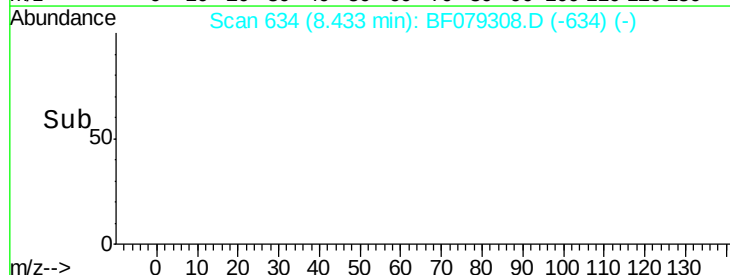
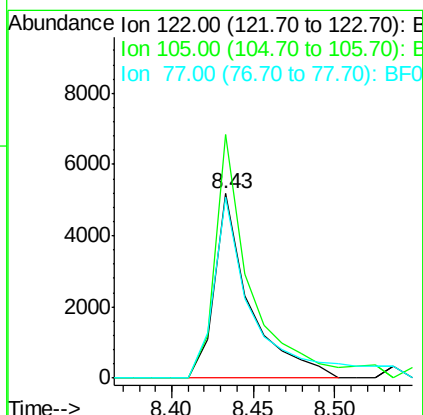
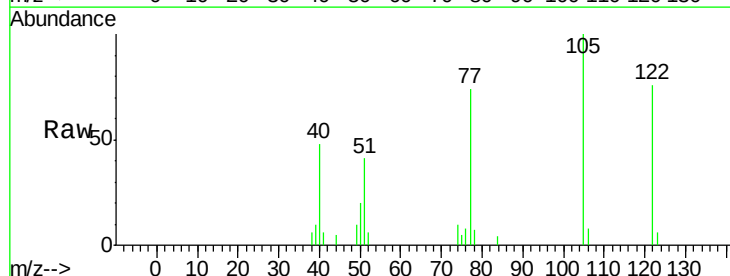
Instrument :
 BNA_F
 ClientSampleId :
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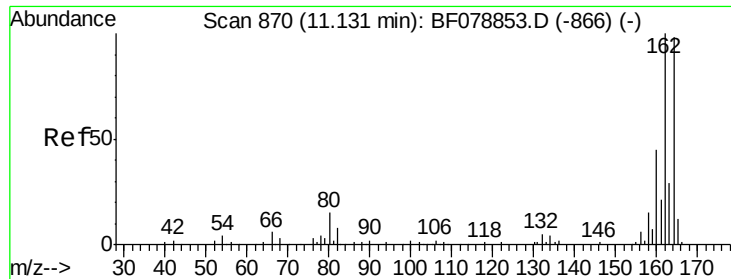
Tgt Ion: 82 Resp: 128566
 Ion Ratio Lower Upper
 82 100
 128 45.7 29.7 44.5#
 54 49.7 46.2 69.4



#32
 Benzoic acid
 Concen: 8.82 ng
 RT: 8.43 min Scan# 634
 Delta R.T. -0.08 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion: 122 Resp: 7827
 Ion Ratio Lower Upper
 122 100
 105 132.0 100.7 140.7
 77 98.1 72.0 112.0

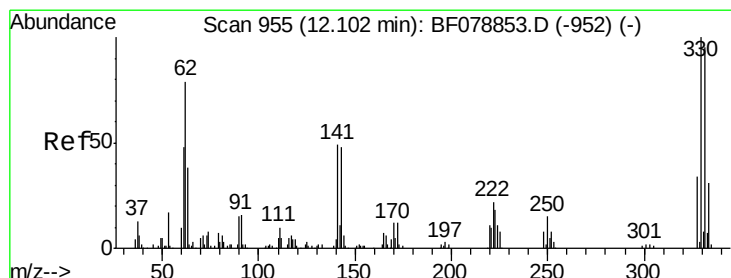
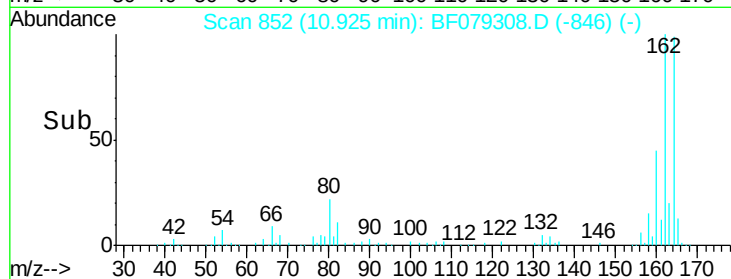
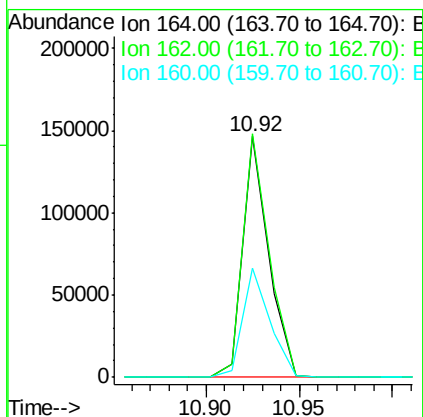
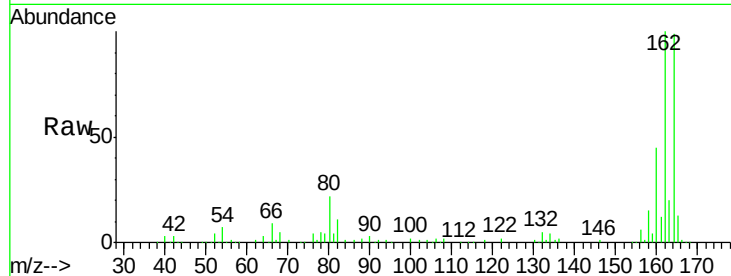




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

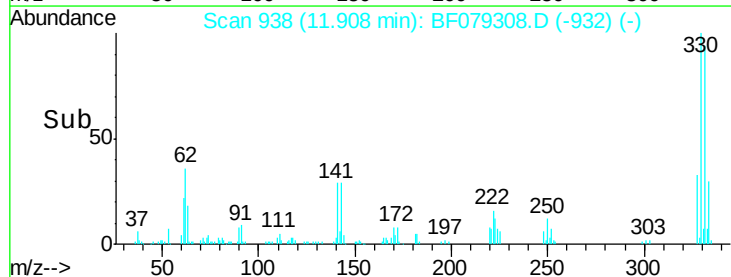
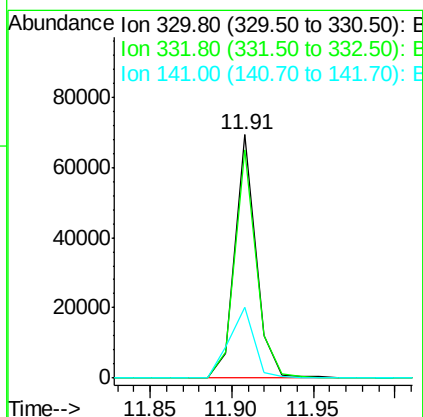
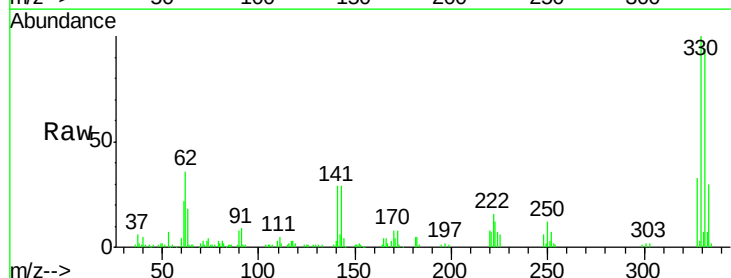
Instrument :
 BNA_F
 ClientSampleId :
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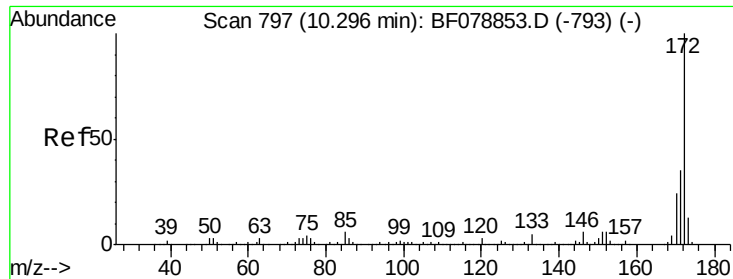
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.4	122.0
160	45.6	36.6	54.8



#41
 2,4,6-Tribromophenol
 Concen: 40.66 ng
 RT: 11.91 min Scan# 938
 Delta R.T. -0.05 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	34.1	27.8	41.8

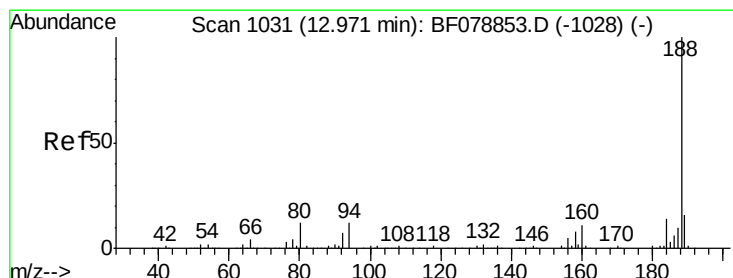
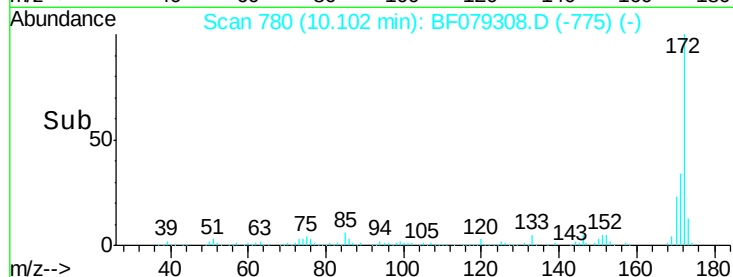
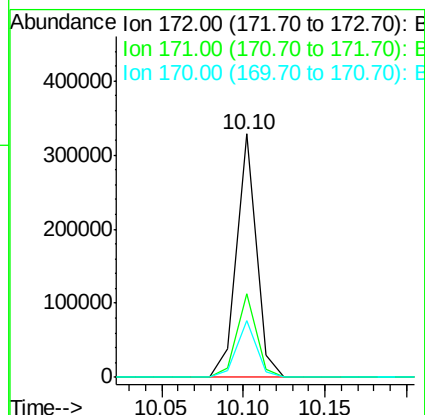
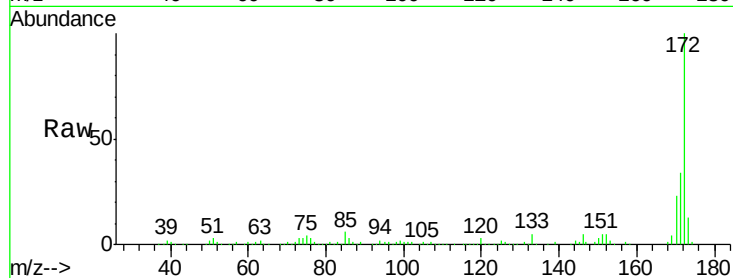




#44
2-Fluorobiphenyl
Concen: 27.03 ng
RT: 10.10 min Scan# 780
Delta R.T. -0.05 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

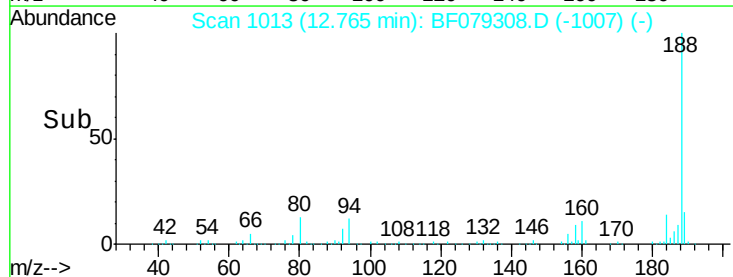
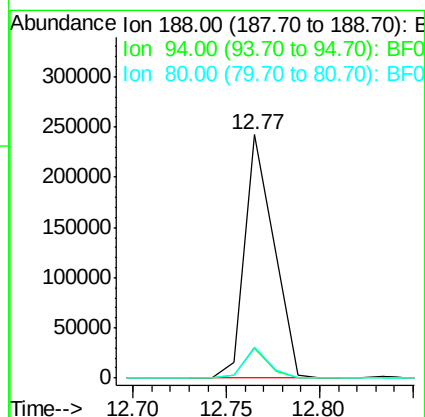
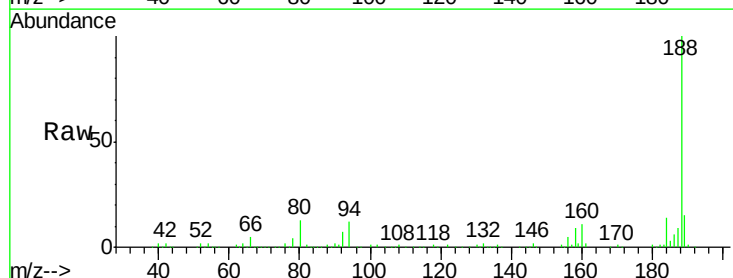
Instrument :
BNA_F
ClientSampleId :
2

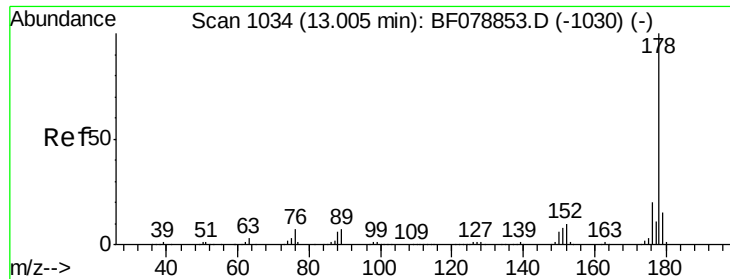
Tgt Ion:172 Resp: 273532
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.3 19.4 29.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion:188 Resp: 263240
Ion Ratio Lower Upper
188 100
94 12.2 9.4 14.0
80 13.0 9.8 14.6

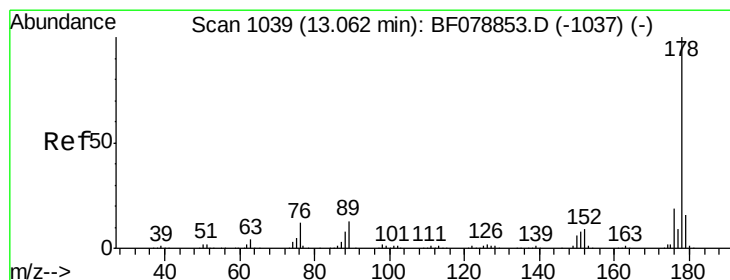
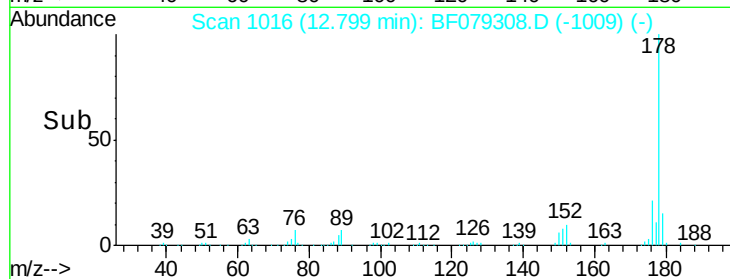
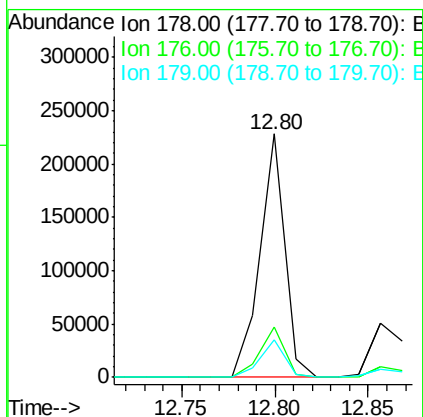
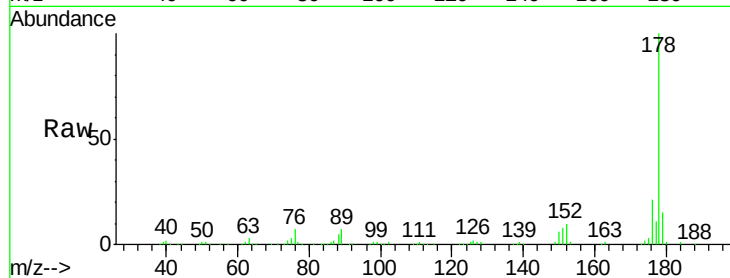




#70
Phenanthrene
Concen: 14.21 ng
RT: 12.80 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

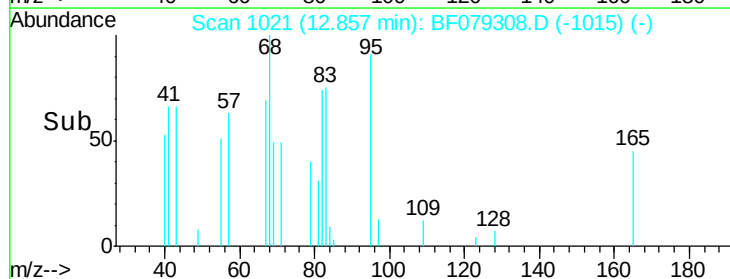
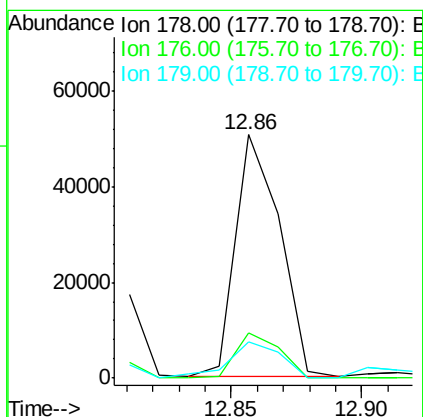
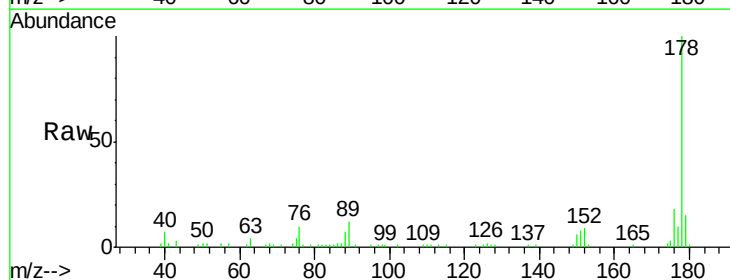
Instrument :
BNA_F
ClientSampleId :
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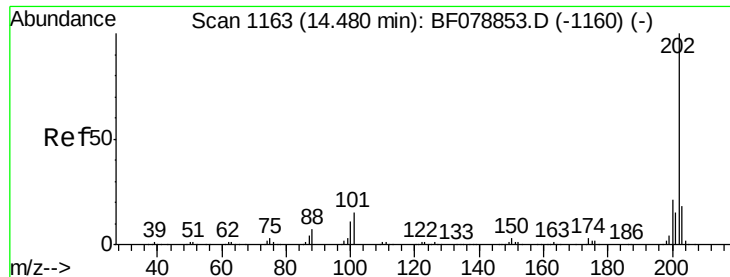
Tgt Ion:178 Resp: 209287
Ion Ratio Lower Upper
178 100
176 20.7 15.9 23.9
179 15.2 12.2 18.4



#71
Anthracene
Concen: 4.17 ng
RT: 12.86 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion:178 Resp: 60300
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.0 12.6 19.0

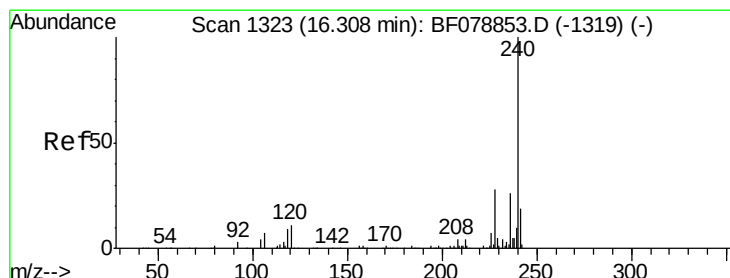
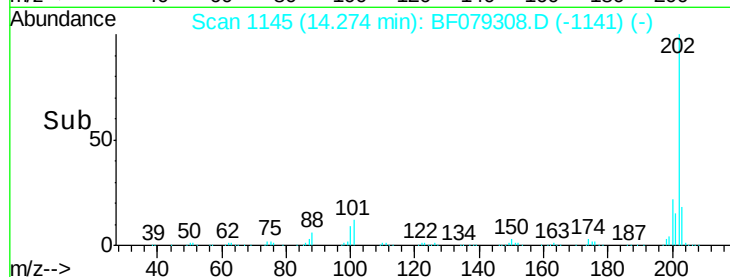
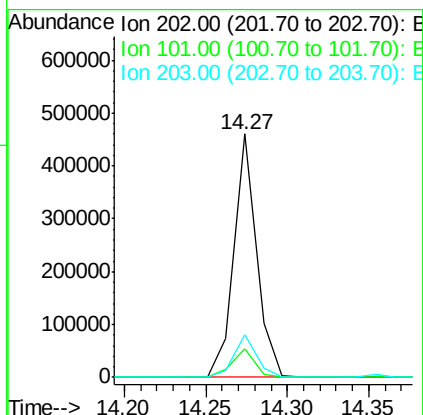
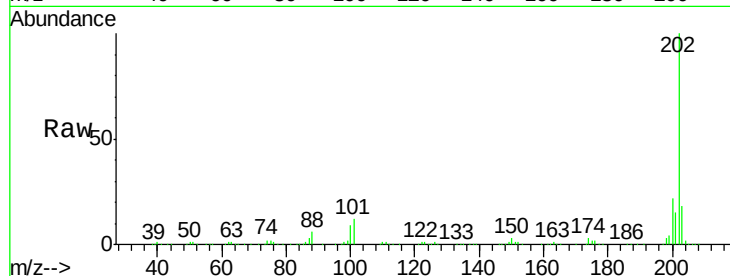




#74
 Fluoranthene
 Concen: 28.72 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. -0.10 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

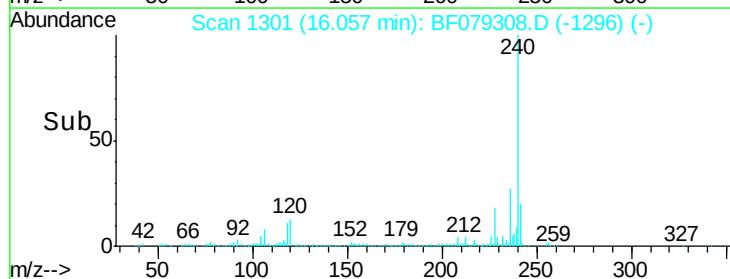
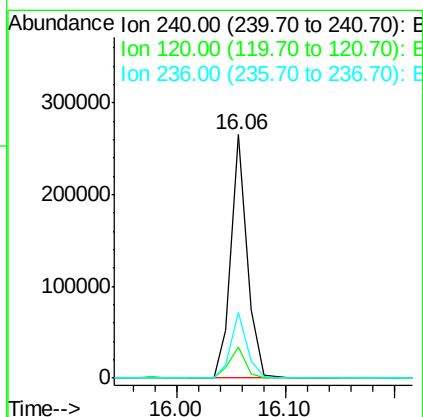
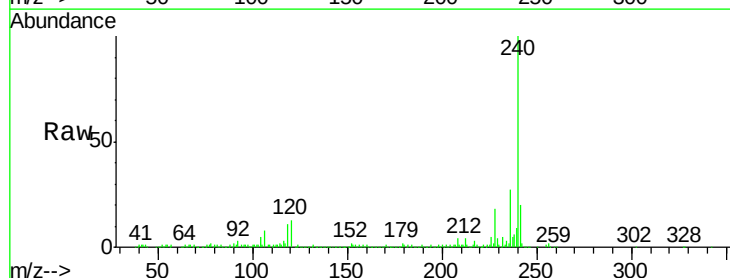
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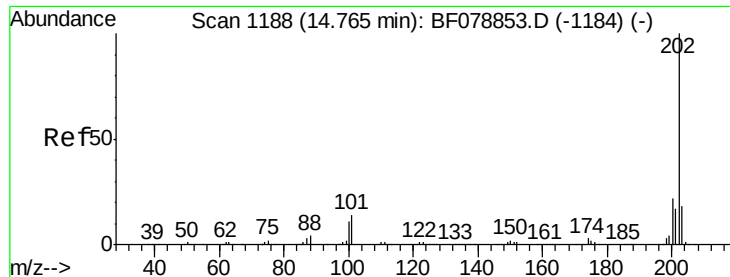
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	440766		
101	12.0		0.0	34.7
203	17.8		0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.06 min Scan# 1301
 Delta R.T. -0.45 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	274509		
120	12.8		8.6	12.8
236	27.2		21.0	31.6

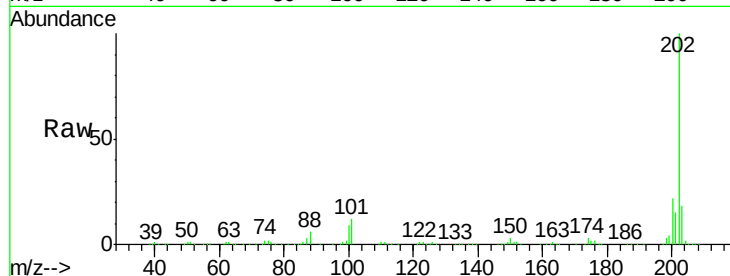




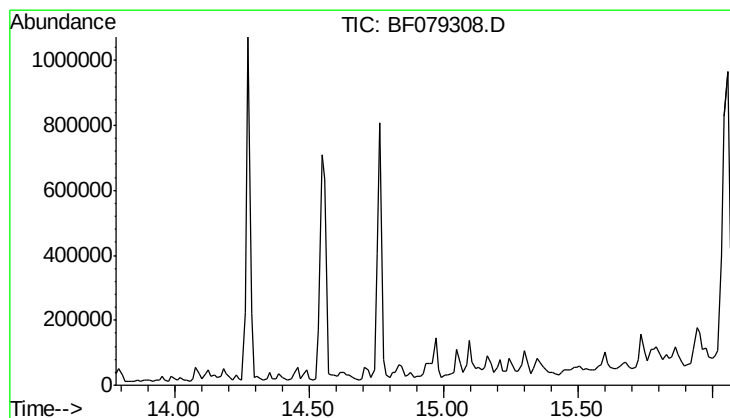
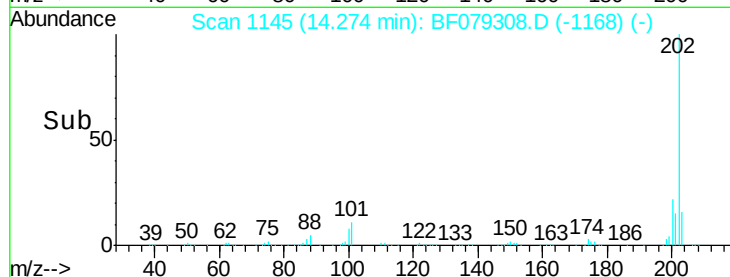
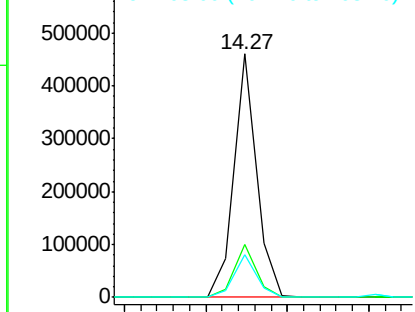
#77
 Pyrene
 Concen: 27.86 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. -0.41 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Instrument :
 BNA_F
 ClientSampleId :
 2

Tgt Ion: 202 Resp: 440766
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.5 26.3
 203 17.8 14.7 22.1



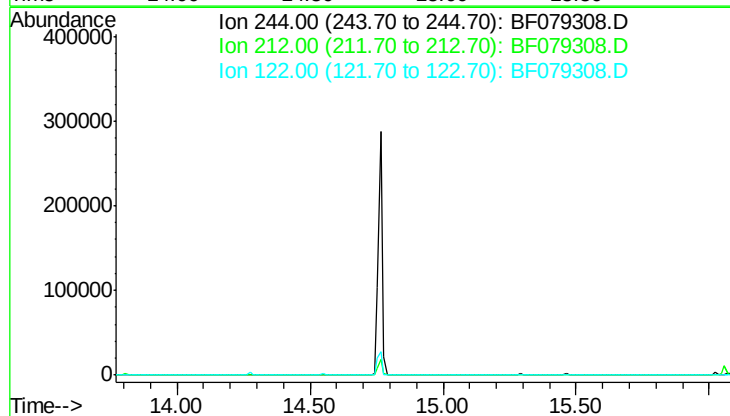
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

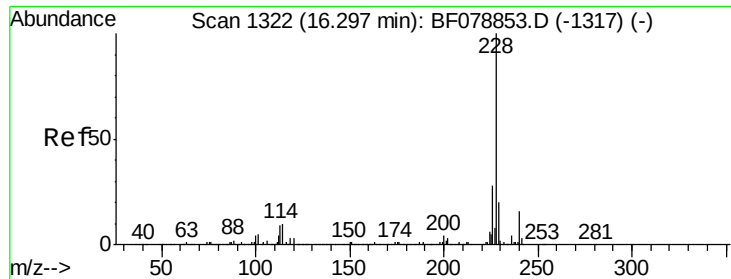


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min

Lab File: BF079308.D
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Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 13.1

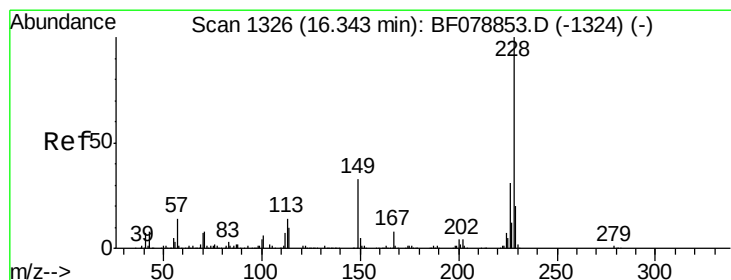
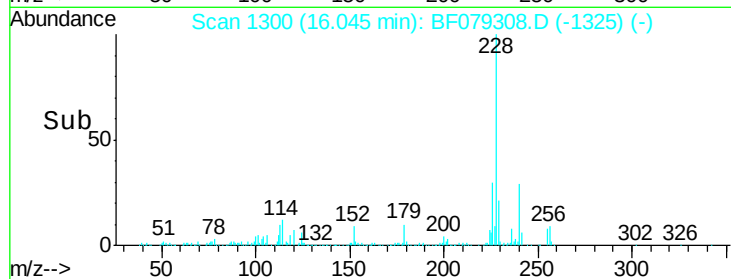
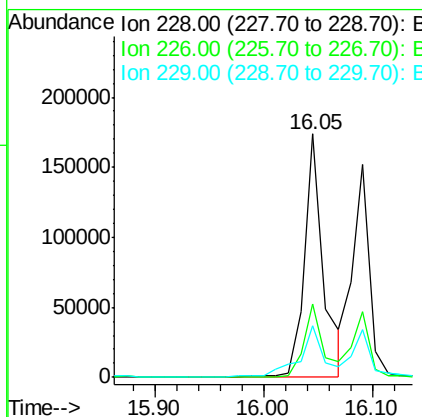
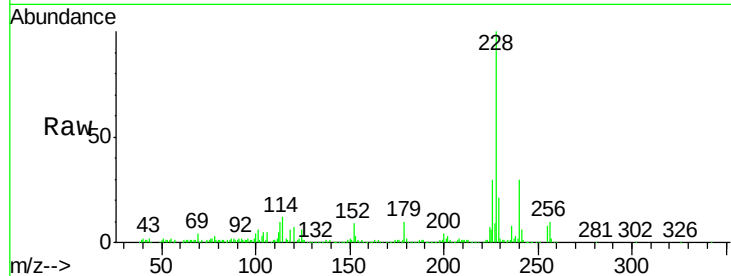




#80
Benzo(a)anthracene
Concen: 14.21 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.45 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

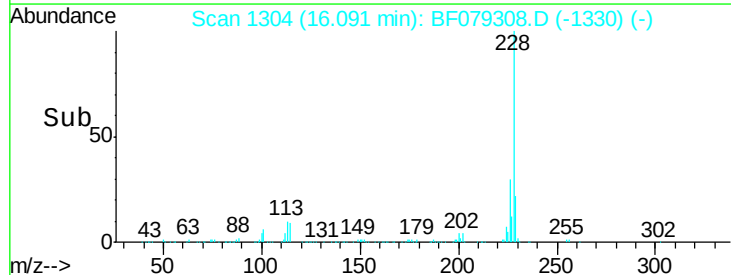
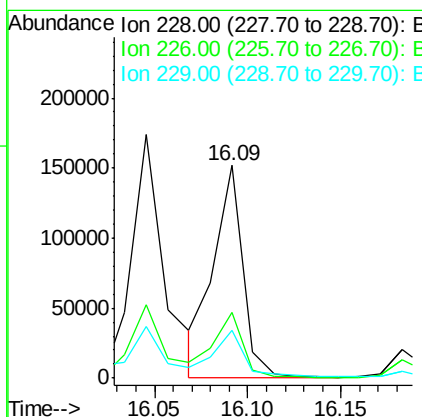
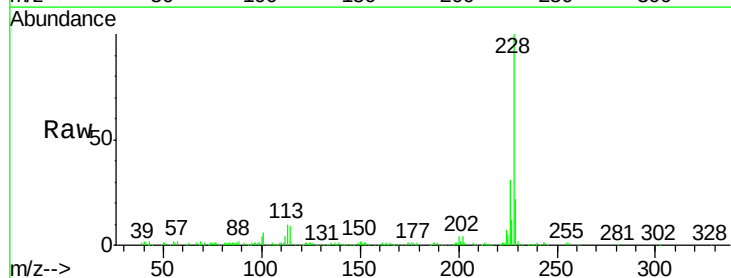
Instrument :
BNA_F
ClientSampleId :
2

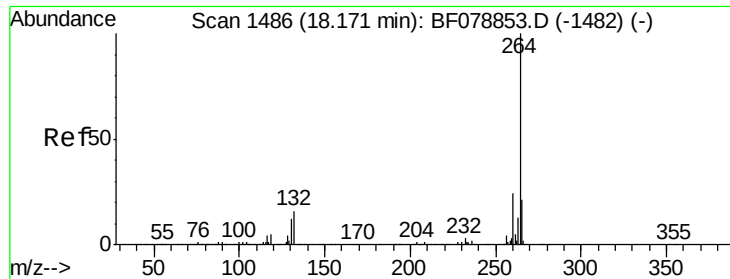
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	21.1	16.1	24.1



#82
Chrysene
Concen: 11.32 ng
RT: 16.09 min Scan# 1304
Delta R.T. -0.46 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.2	16.1	24.1

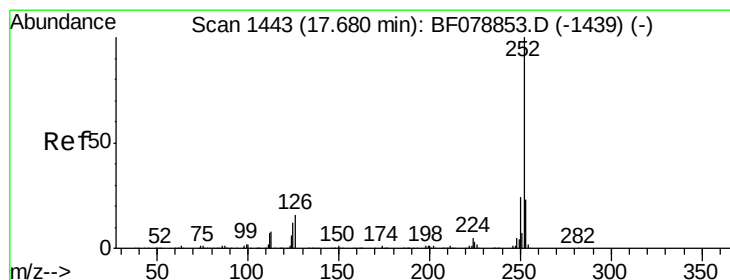
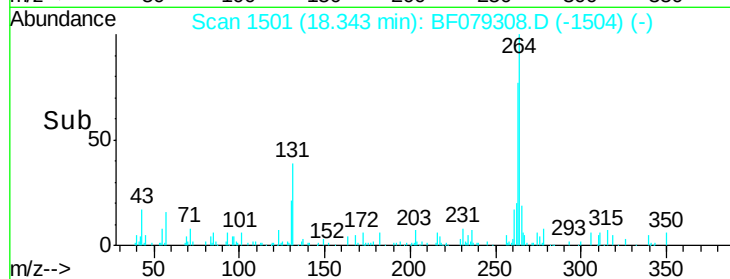
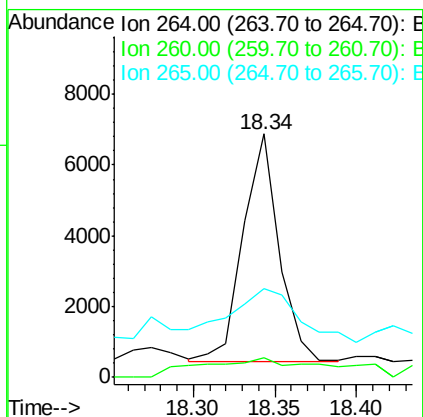
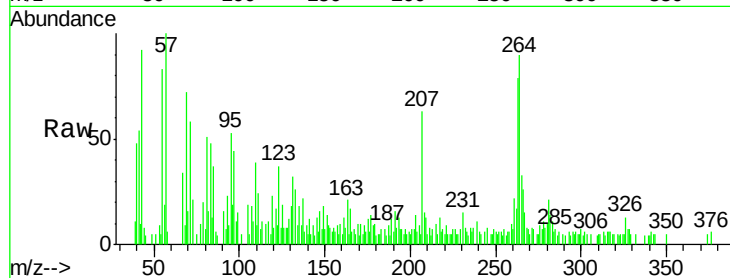




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.34 min Scan# 1501
Delta R.T. -0.54 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

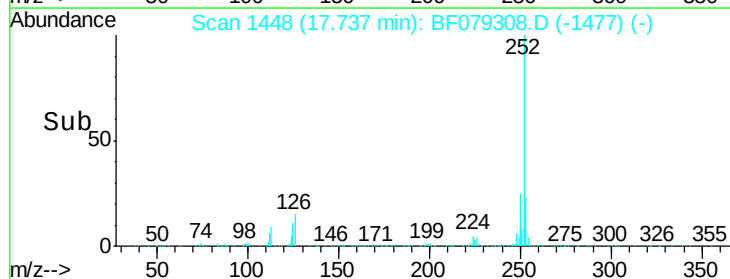
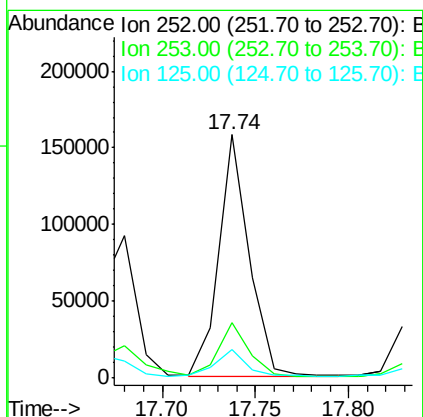
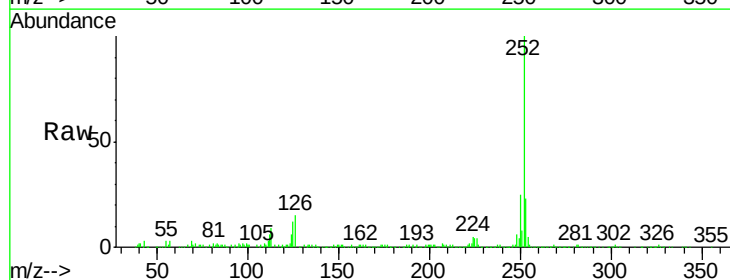
Instrument :
BNA_F
ClientSampleId :
2

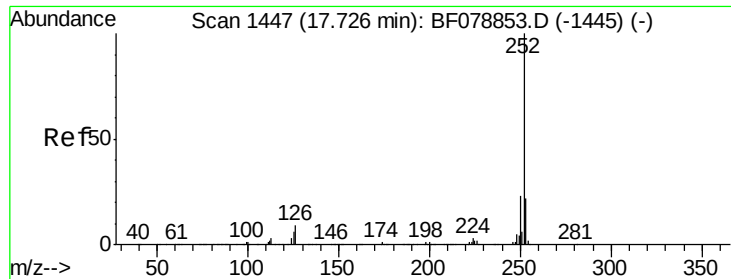
Tgt Ion: 264 Resp: 9874
Ion Ratio Lower Upper
264 100
260 8.0 19.2 28.8#
265 36.5 17.2 25.8#



#87
Benzo(b)fluoranthene
Concen: 330.78 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.51 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion: 252 Resp: 178774
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.9 9.4 14.2

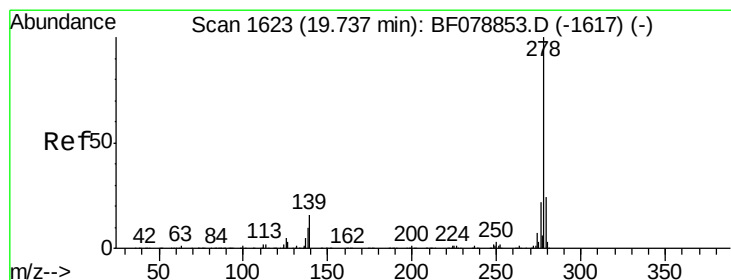
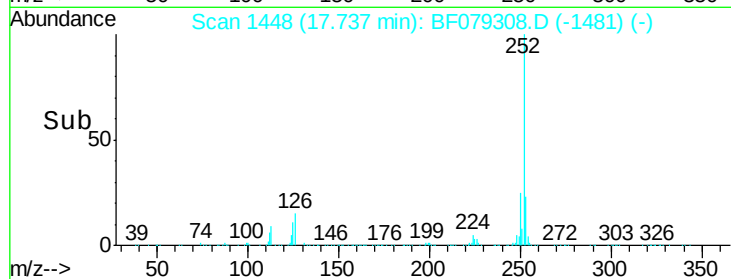
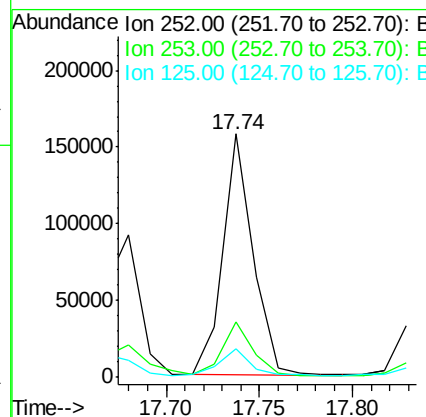
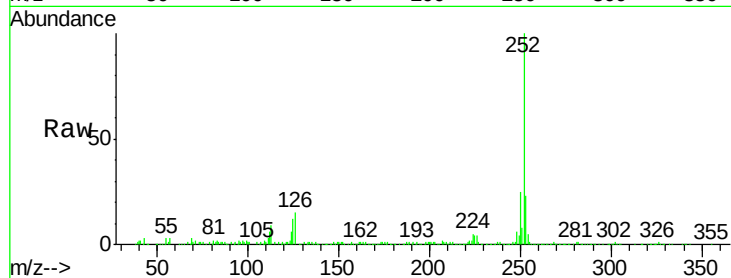




#88
Benzo(k)fluoranthene
Concen: 338.76 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.56 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion: 252 Resp: 177243
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.9 6.1 9.1#



#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 20.13 min Scan# 1657
Delta R.T. -0.56 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion: 278 Resp: 1080
Ion Ratio Lower Upper
278 100
139 151.6 13.1 19.7#
279 91.4 19.1 28.7#

