

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
 Data File : BF090427.D
 Acq On : 6 Oct 2016 19:25
 Operator : UM/SJ
 Sample : H5085-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)

Manual Integrations
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 10/7/2016 7:02:41 PM

Quant Time: Oct 07 11:20:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	206852	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	849325	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	462384	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	697201	20.00	ng	0.00
75) Chrysene-d12	14.19	240	422736	20.00	ng	-0.01
86) Perylene-d12	15.70	264	440391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1719467	124.06	ng	0.00
7) Phenol-d6	6.62	99	2464458	135.76	ng	0.00
23) Nitrobenzene-d5	7.56	82	1526126	87.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	485624	129.16	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2010672	72.45	ng	-0.01
78) Terphenyl-d14	13.13	244	1571601	83.58	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.75	163	729161	24.62	ng	# 96
51) Acenaphthene	10.09	154	138057	5.30	ng	94
54) Dibenzofuran	10.26	168	81978	2.43	ng	# 74
57) Fluorene	10.60	166	119599	4.22	ng	# 86
70) Phenanthrene	11.57	178	2204930	61.76	ng	99
71) Anthracene	11.62	178	630522	17.29	ng	96
72) Carbazole	11.77	167	126622	3.74	ng	# 81
74) Fluoranthene	12.76	202	3241913	92.58	ng	98
77) Pyrene	13.00	202	3646742	129.37	ng	98
80) Benzo(a)anthracene	14.18	228	1702885	71.80	ng	98
82) Chrysene	14.21	228	1186875	54.37	ng	97
85) Indeno(1,2,3-cd)pyrene	17.22	276	932923	59.94	ng	98
87) Benzo(b)fluoranthene	15.25	252	2014178m	71.80	ng	
88) Benzo(k)fluoranthene	15.28	252	340256m	12.91	ng	
89) Benzo(a)pyrene	15.63	252	1435182	59.36	ng	# 93
90) Dibenzo(a,h)anthracene	17.22	278	231017	11.23	ng	# 82
91) Benzo(a,h,i)perylene	17.68	276	931691	47.20	ng	# 94

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

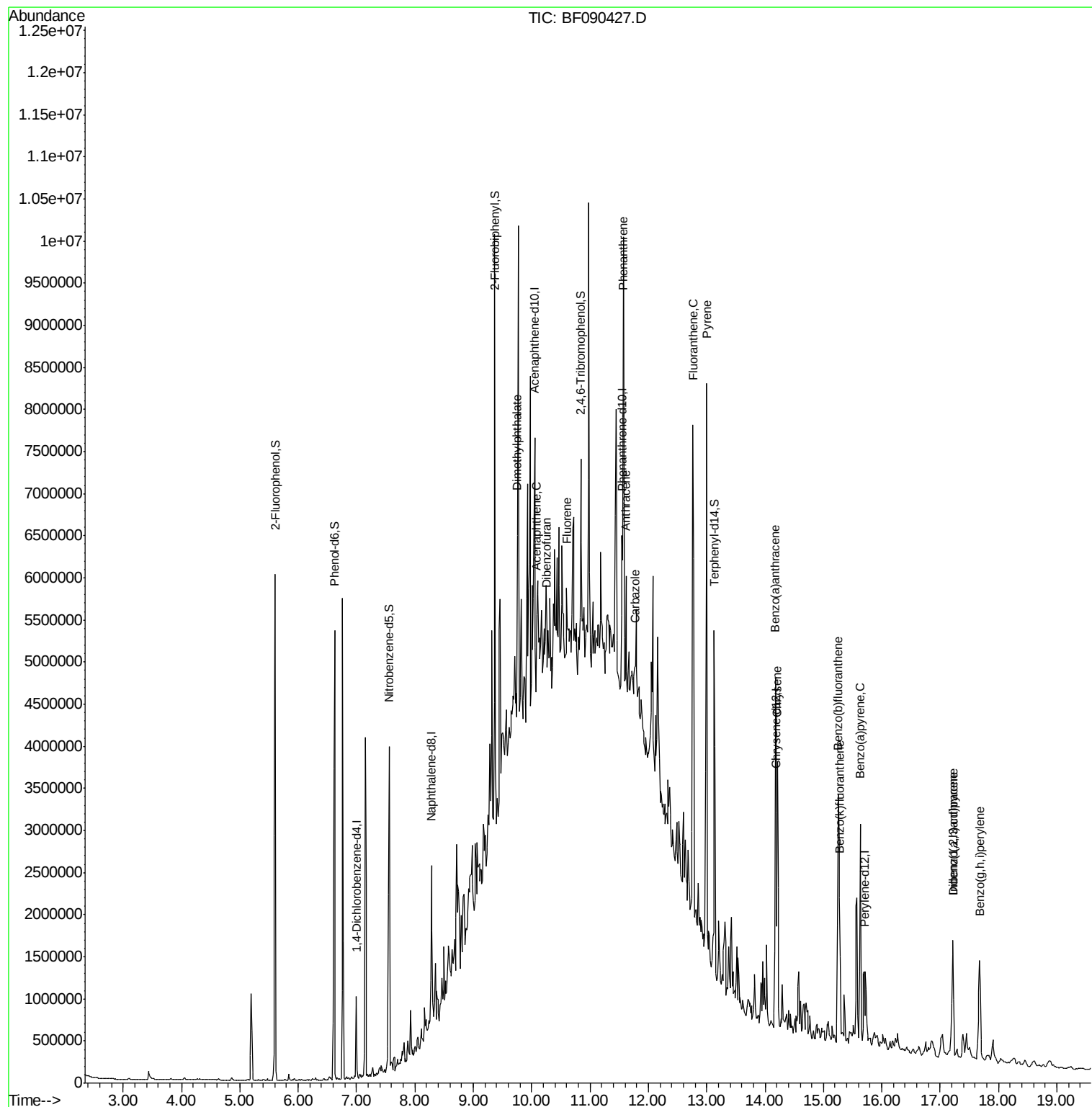
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090427.D
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Sample : H5085-02
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ALS Vial : 6 Sample Multiplier: 1

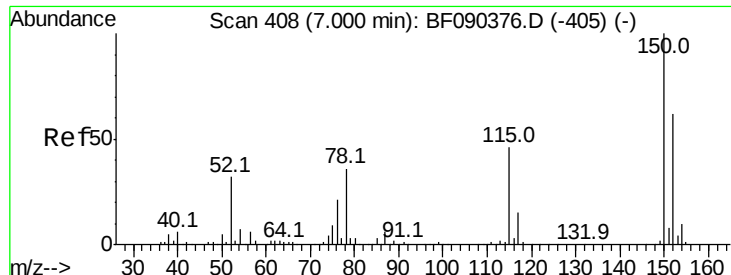
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

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Quant Time: Oct 07 11:20:47 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Instrument :

BNA_F

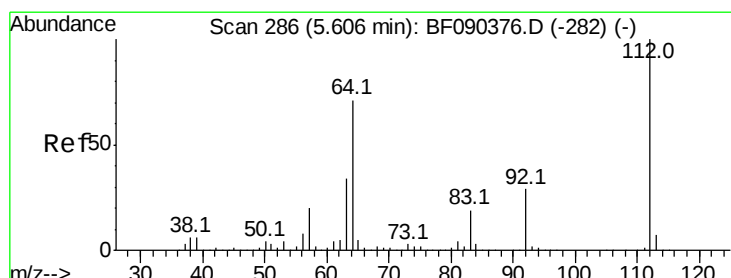
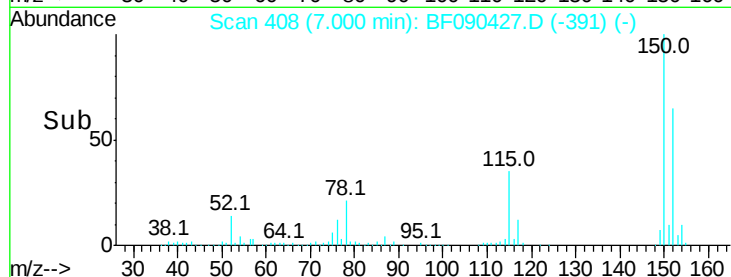
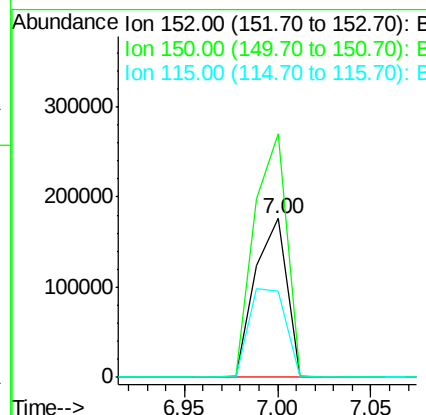
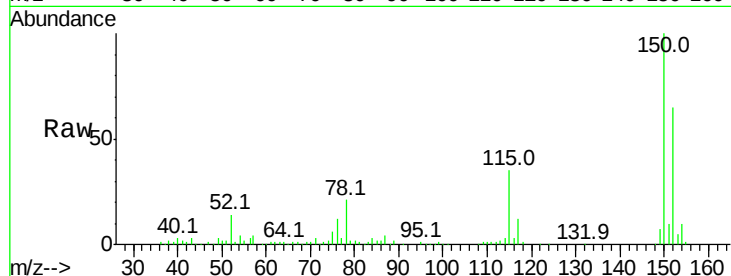
ClientSampleId :

CHA-STA-1698-D(0-2)

Tot Ion:	152	Resp:	206852
Ion Ratio	Lower	Upper	
152	100		
150	153.2	124.6	186.8
115	53.8	46.2	69.4

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#5

2-Fluorophenol

Concen: 124.06 ng

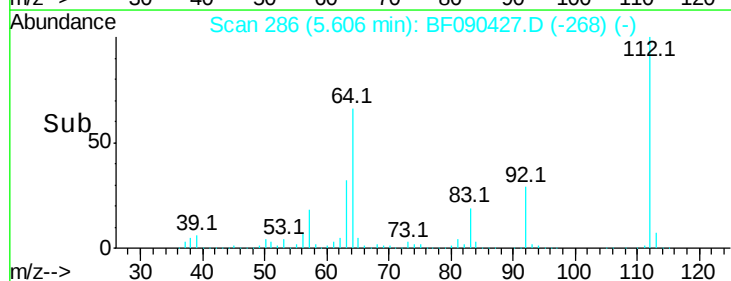
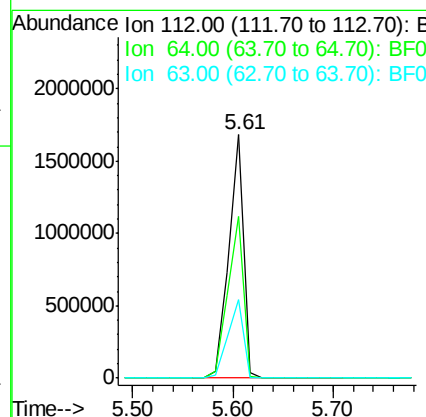
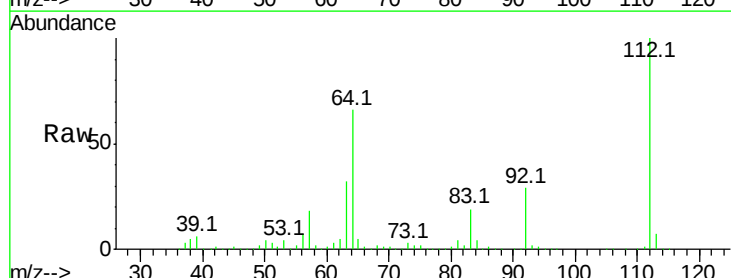
RT: 5.61 min Scan# 286

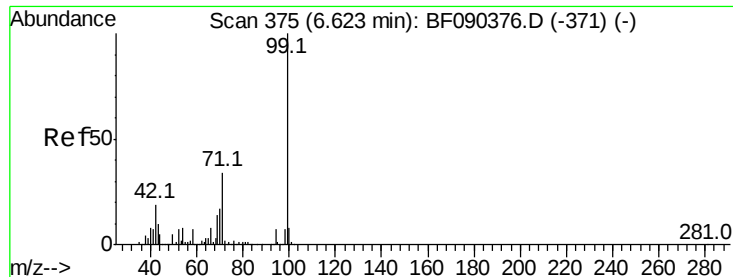
Delta R.T. 0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Tgt Ion:	112	Resp:	1719467
Ion Ratio	Lower	Upper	
112	100		
64	66.3	57.9	86.9
63	32.1	29.6	44.4





#7

Phenol-d6

Concen: 135.76 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)

Tot Ion: 99 Resp: 2464458

Ion Ratio Lower Upper

99 100

42 14.4 20.0 30.0#

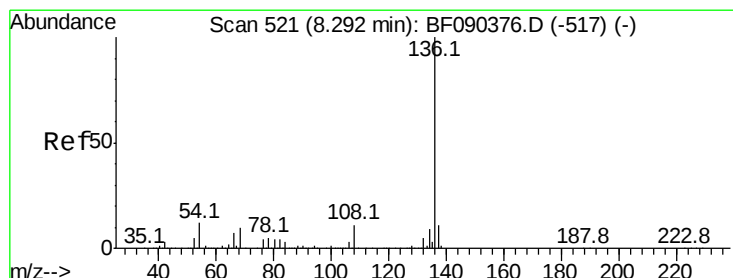
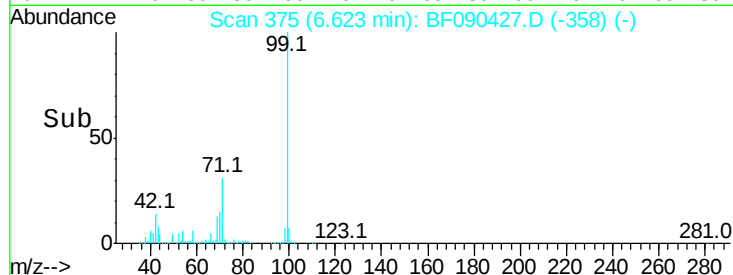
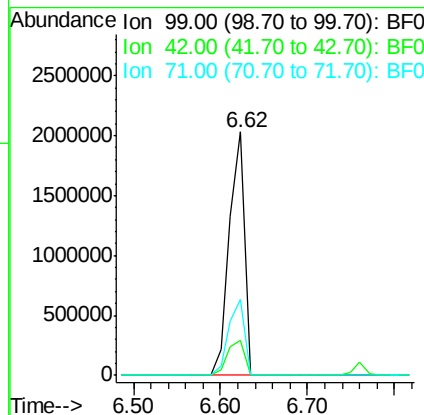
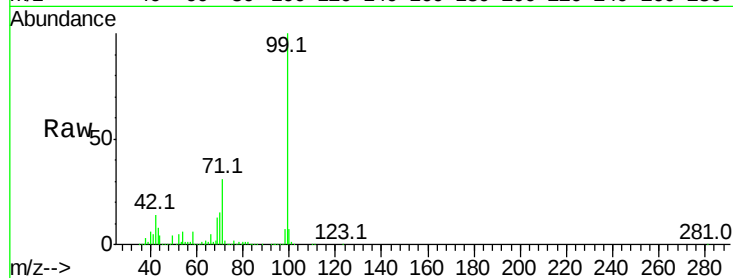
71 31.2 27.9 41.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Tgt Ion: 136 Resp: 849325

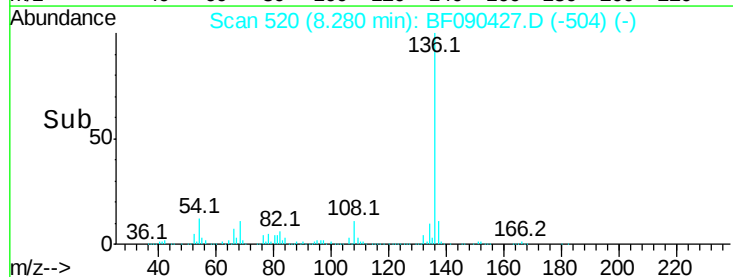
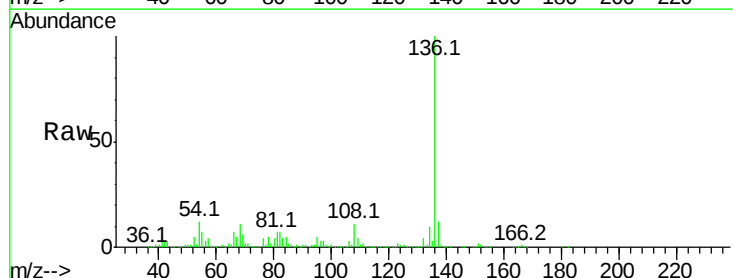
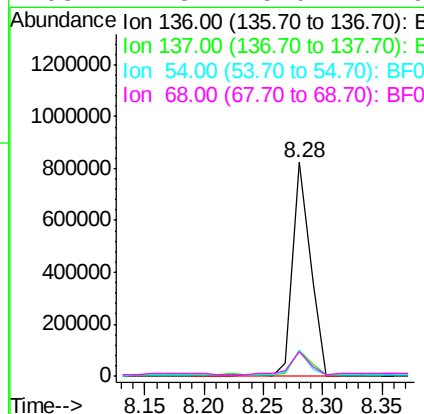
Ion Ratio Lower Upper

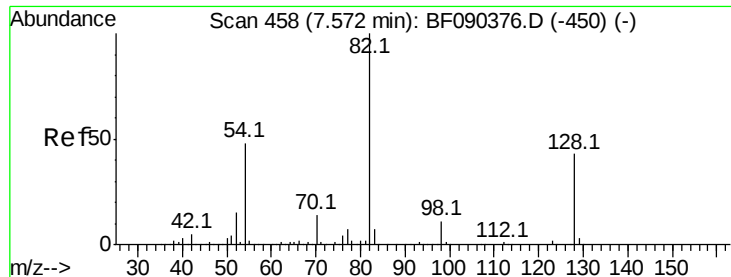
136 100

137 12.1 9.0 13.6

54 12.2 6.6 10.0#

68 11.3 5.0 7.6#





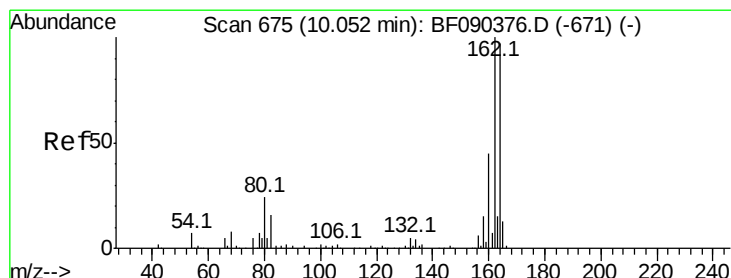
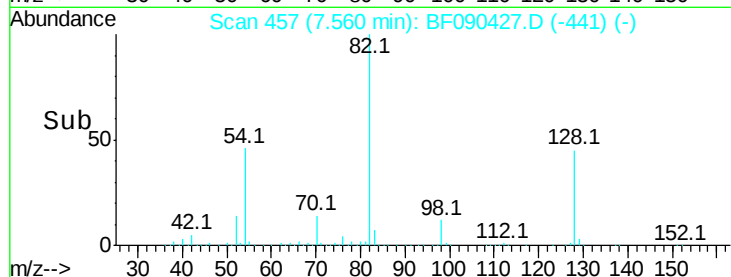
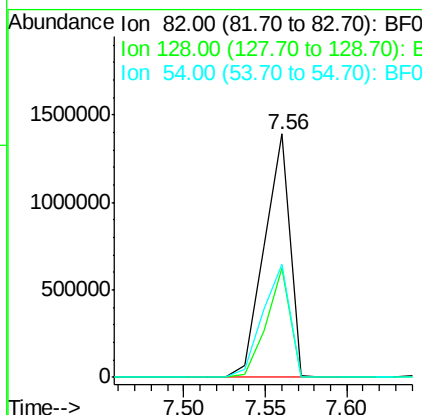
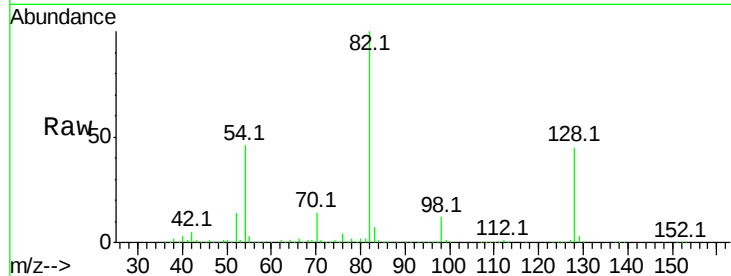
#23
Nitrobenzene-d5
Concen: 87.40 ng
RT: 7.56 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	40.0	60.0
54	46.2	42.6	64.0

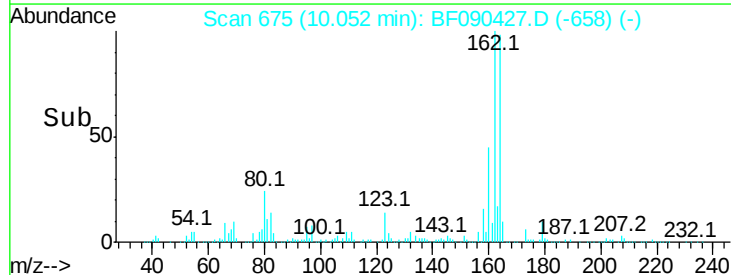
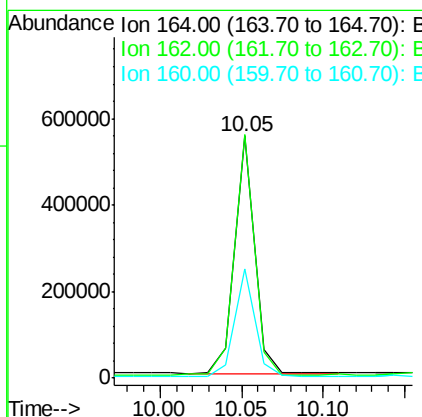
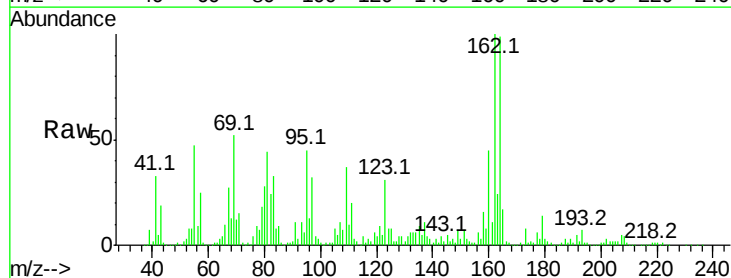
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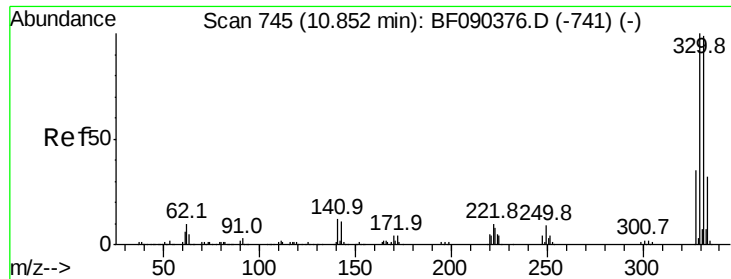
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.1	120.1
160	44.9	36.3	54.5





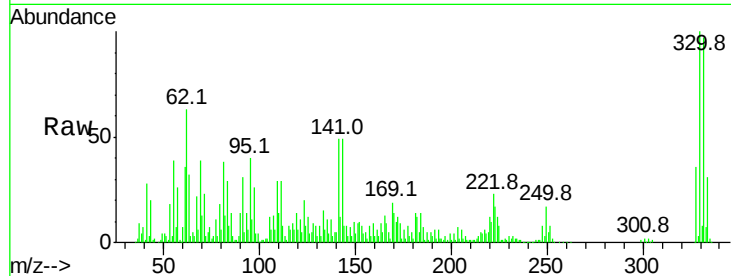
#41
 2,4,6-Tribromophenol
 Concen: 129.16 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090427.D
 Acq: 6 Oct 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)

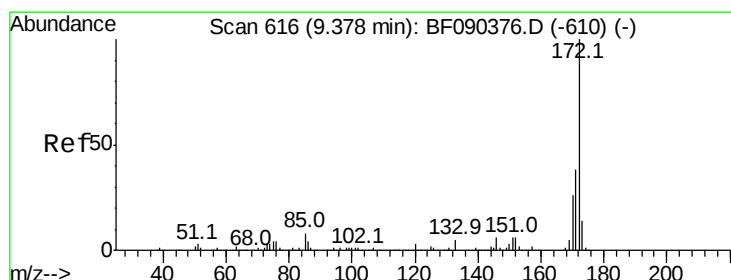
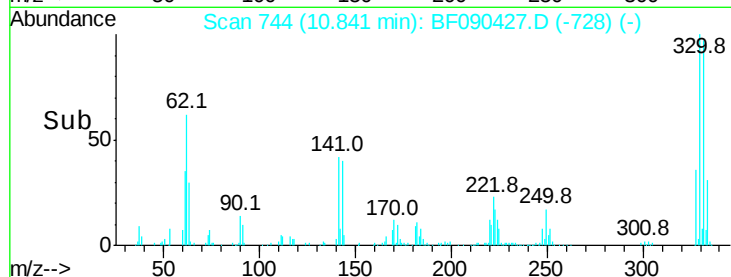
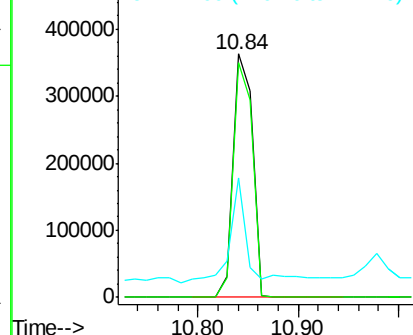
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	36.5	26.9	40.3

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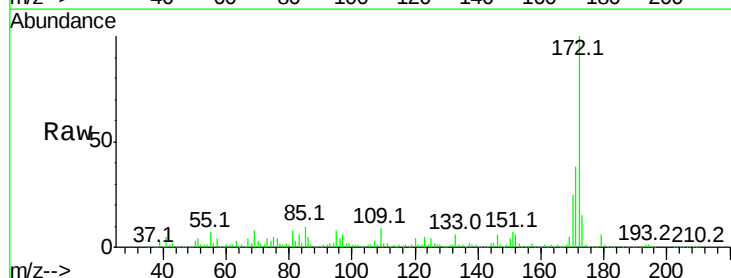


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

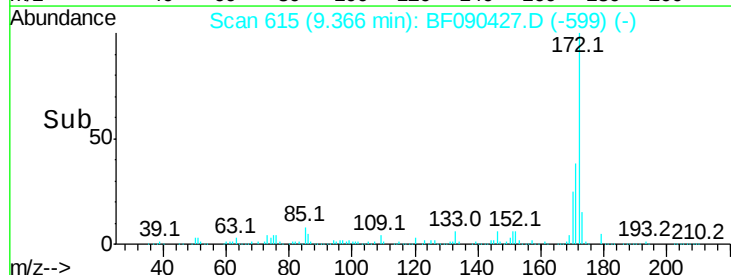
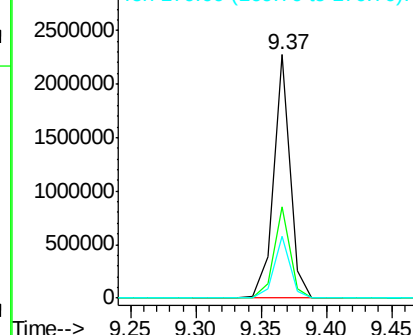


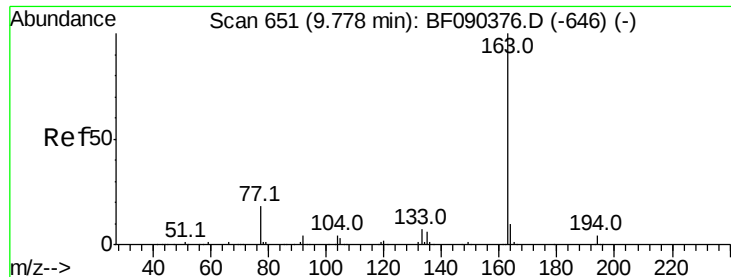
#44
 2-Fluorobiphenyl
 Concen: 72.45 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090427.D
 Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.8	47.8
170	25.5	21.7	32.5



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





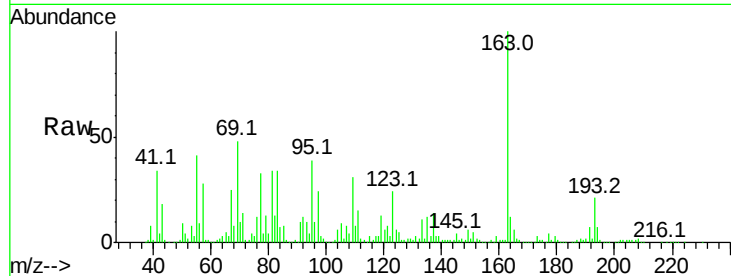
#49
Dimethylphthalate
Concen: 24.62 ng
RT: 9.75 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.6	2.8	4.2#
164	12.1	9.0	13.4

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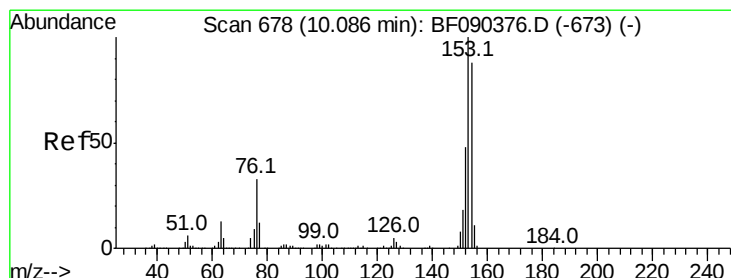
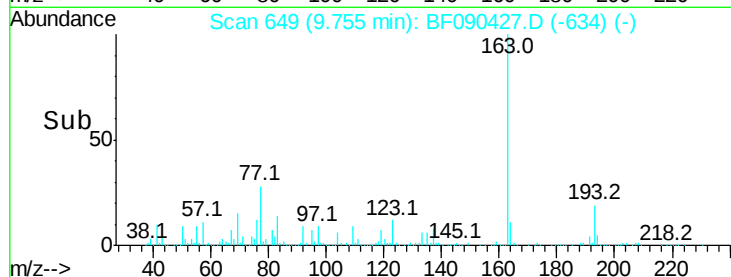
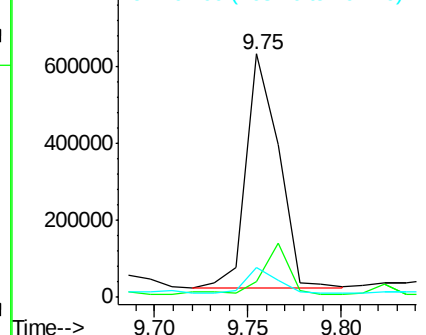


Abundance

Ion 163.00 (162.70 to 163.70): E

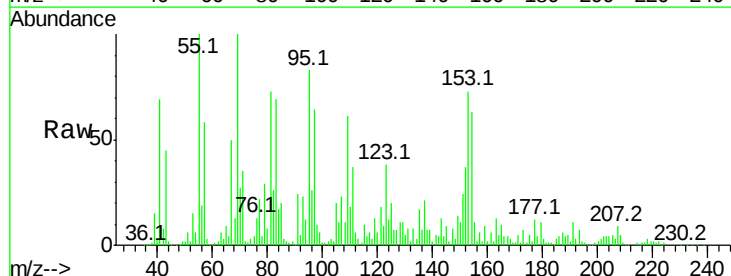
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 5.30 ng
RT: 10.09 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.0	88.6	133.0
152	58.7	42.6	64.0

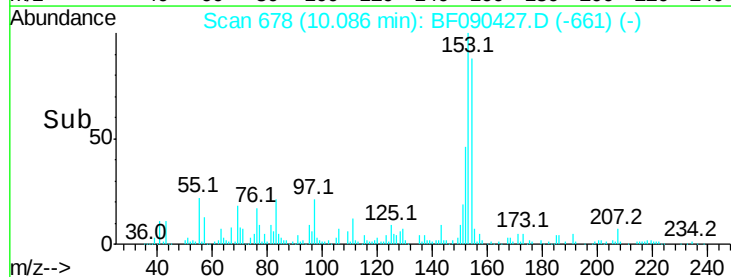
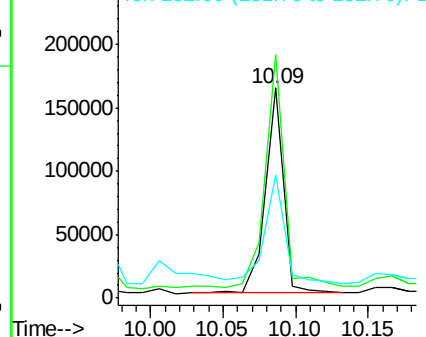


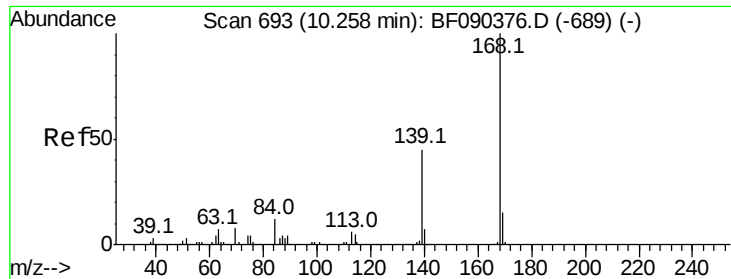
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.43 ng

RT: 10.26 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)

Tot Ion:168 Resp: 81978

Ion Ratio Lower Upper

168 100

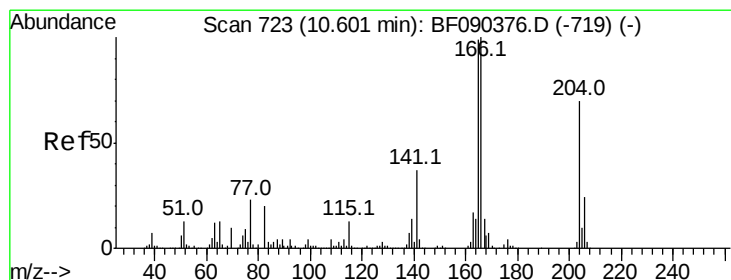
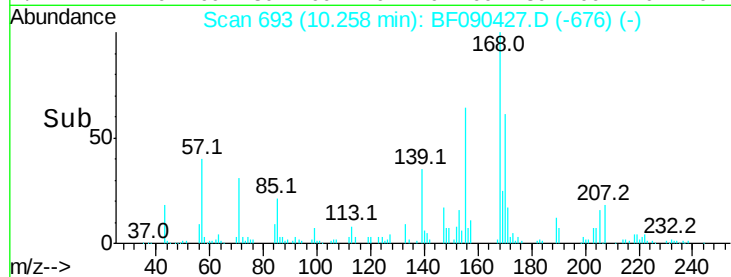
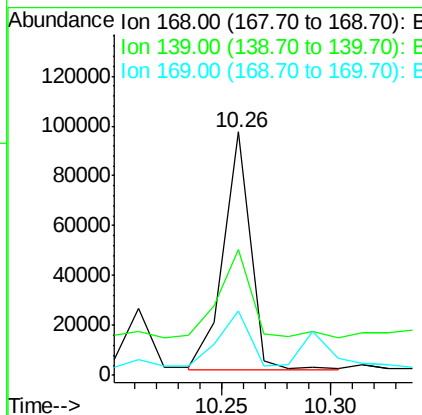
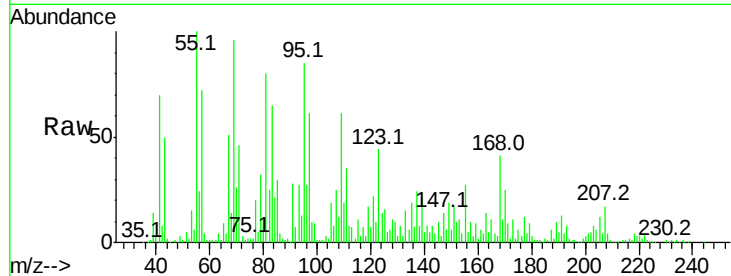
139 51.7 29.6 44.4#

169 26.2 11.3 16.9#

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#57

Fluorene

Concen: 4.22 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

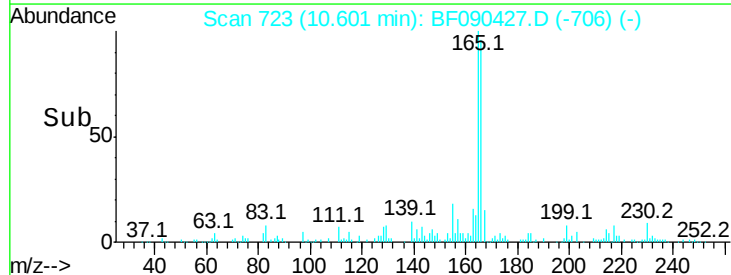
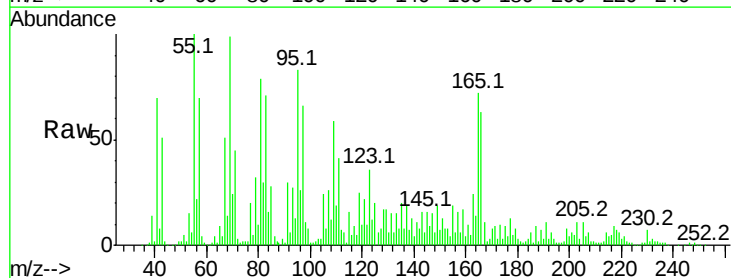
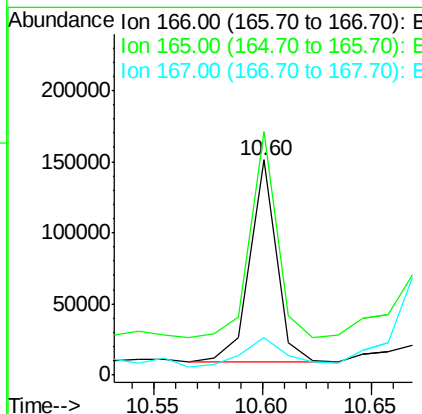
Tgt Ion:166 Resp: 119599

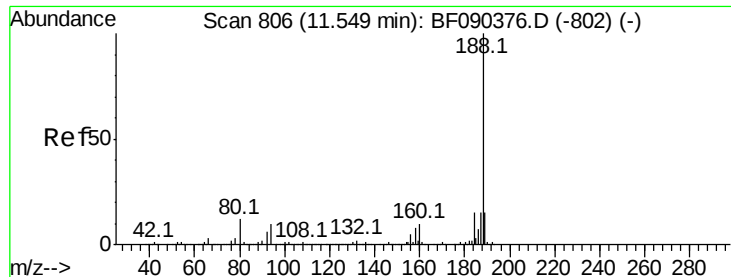
Ion Ratio Lower Upper

166 100

165 113.1 79.2 118.8

167 17.6 11.1 16.7#





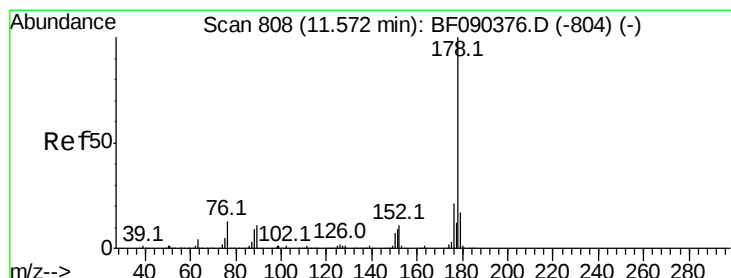
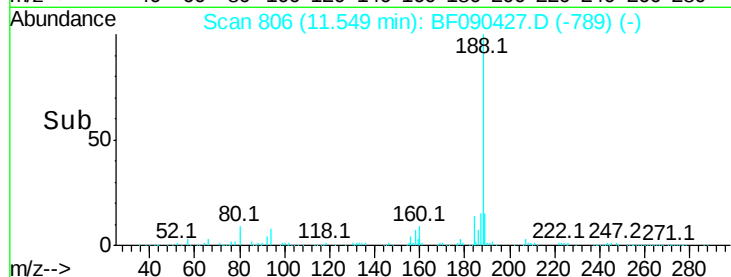
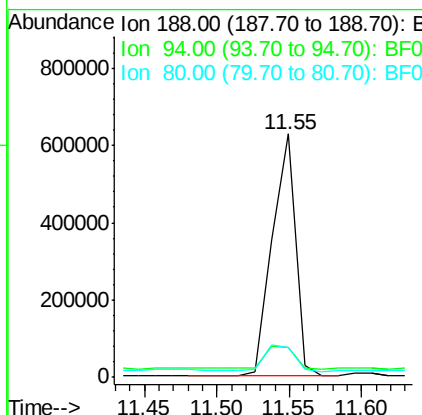
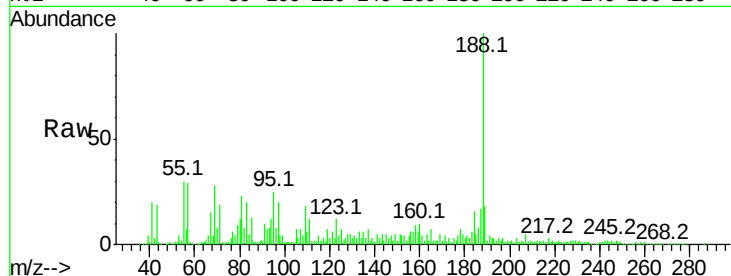
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.55 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	697201		
94	12.1		8.2	12.2
80	12.1		8.8	13.2

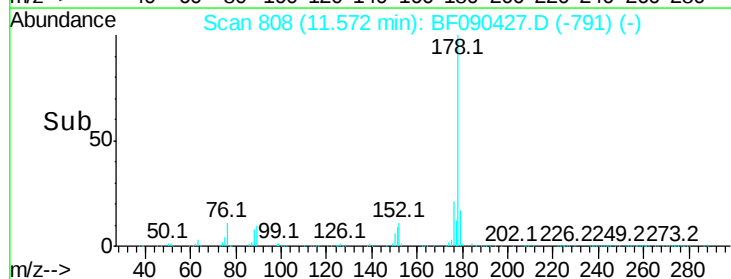
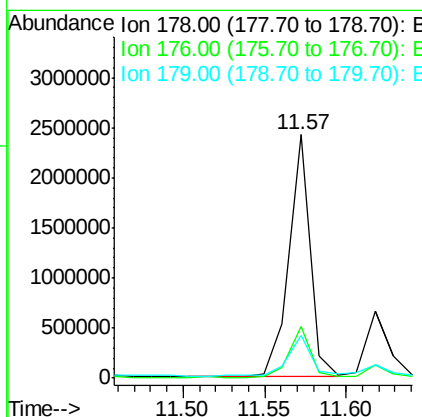
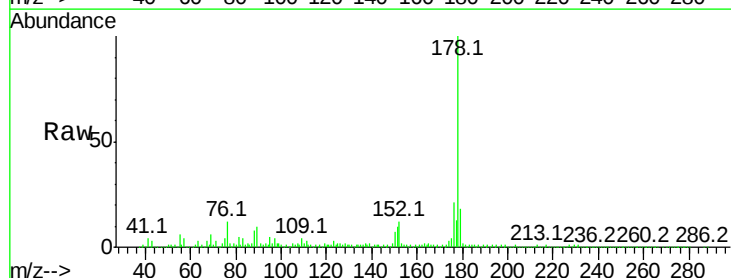
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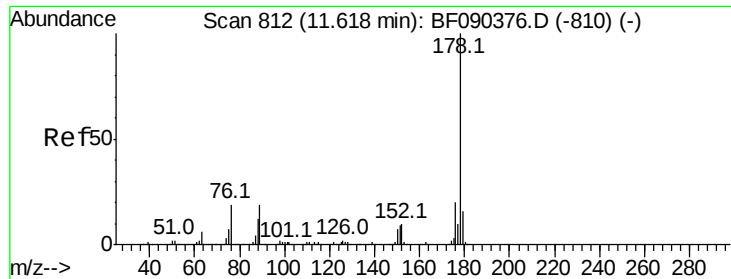
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#70
Phenanthrene
Concen: 61.76 ng
RT: 11.57 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2204930		
176	21.3		17.3	25.9
179	17.7		13.8	20.6





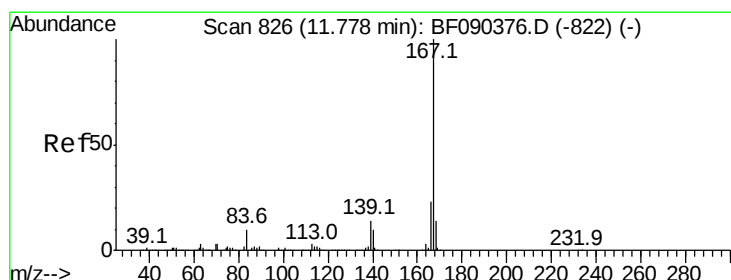
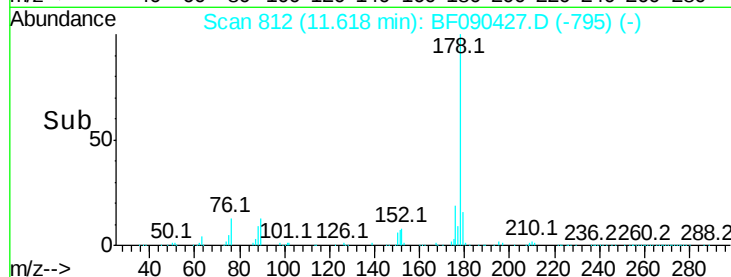
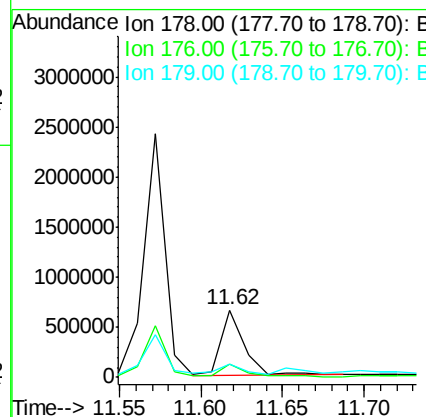
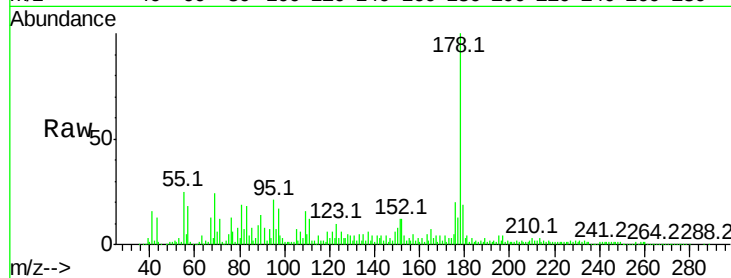
#71
 Anthracene
 Concen: 17.29 ng
 RT: 11.62 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF090427.D
 Acq: 6 Oct 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.8	25.2
179	19.2	13.4	20.2

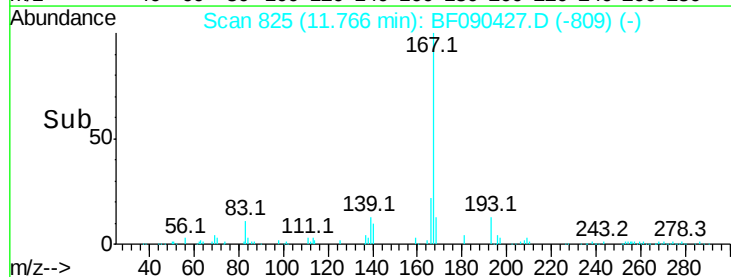
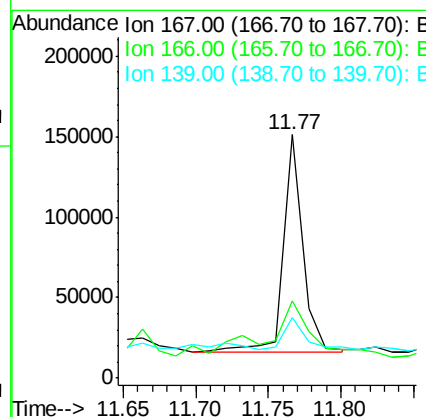
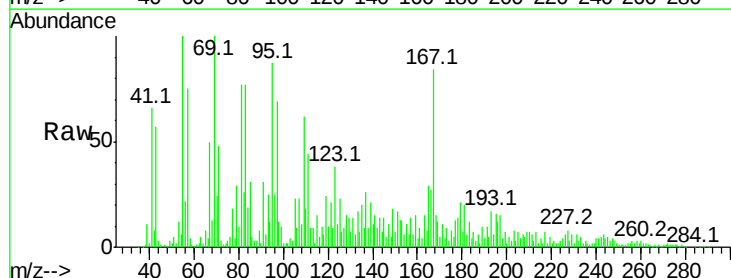
Manual Integrations
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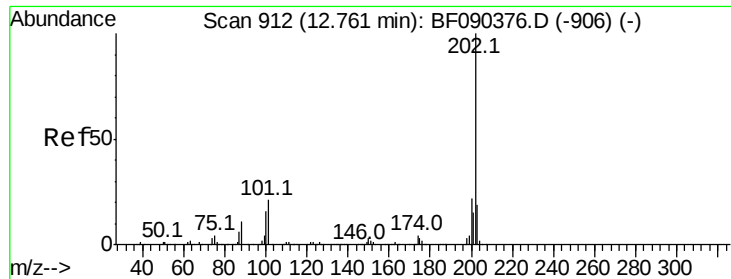
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#72
 Carbazole
 Concen: 3.74 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090427.D
 Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	31.6	19.1	28.7#
139	24.7	12.1	18.1#





#74

Fluoranthene

Concen: 92.58 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Instrument :

BNA_F

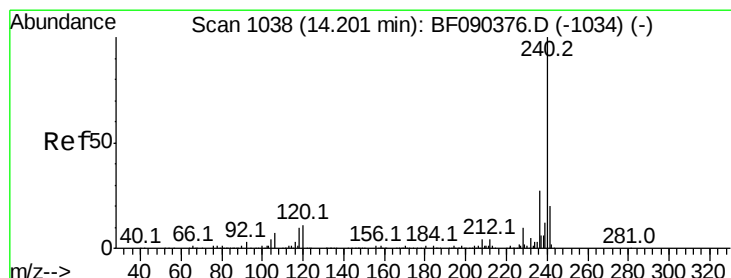
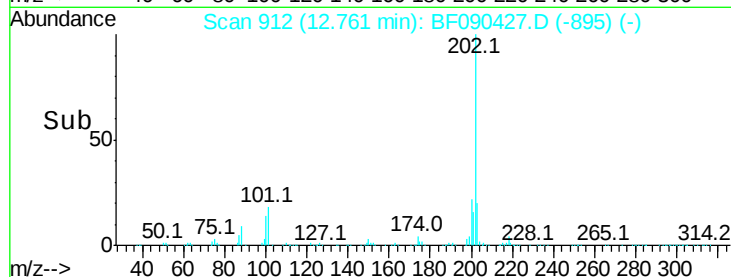
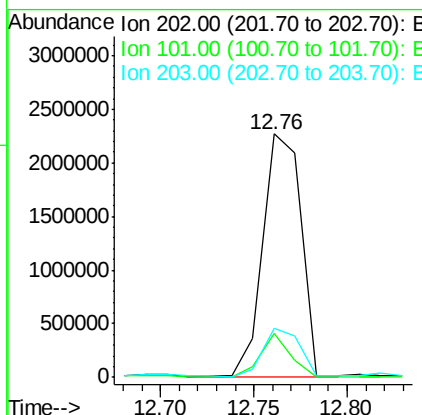
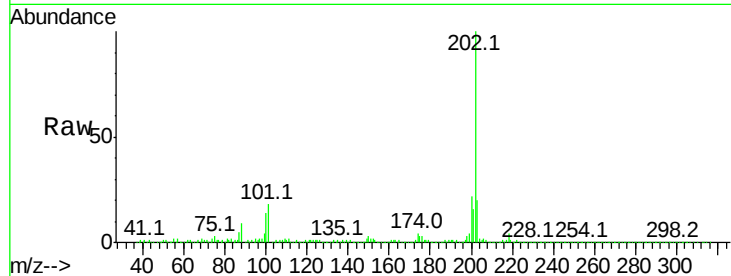
ClientSampleId :

CHA-STA-1698-D(0-2)

Tot Ion:	202	Resp:	3241913
Ion Ratio	Lower	Upper	
202	100		
101	18.1	0.0	37.2
203	19.9	0.0	39.3

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#75

Chrysene-d12

Concen: 20.00 ng

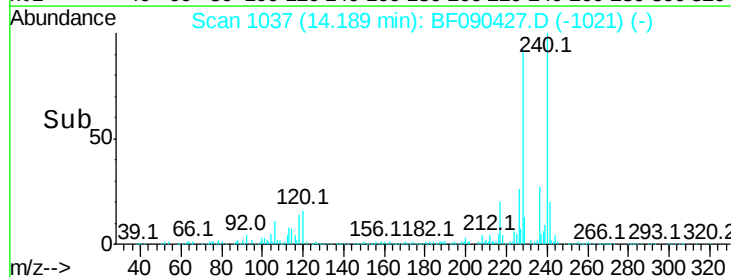
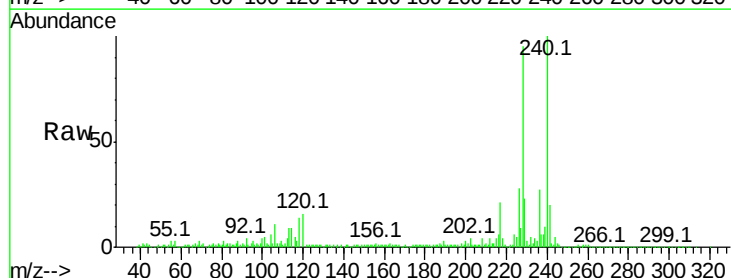
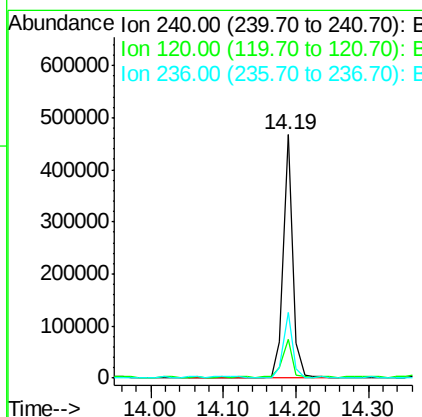
RT: 14.19 min Scan# 1037

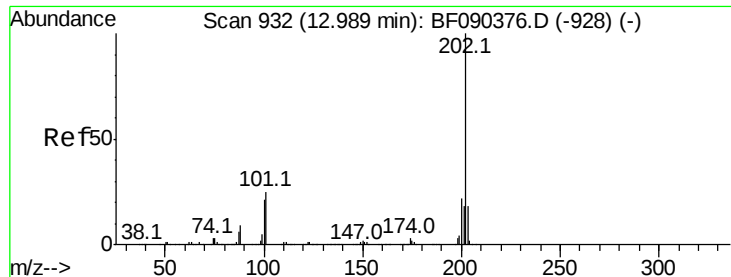
Delta R.T. -0.01 min

Lab File: BF090427.D

Acq: 6 Oct 2016 19:25

Tgt Ion:	240	Resp:	422736
Ion Ratio	Lower	Upper	
240	100		
120	16.1	8.6	13.0#
236	27.1	21.6	32.4





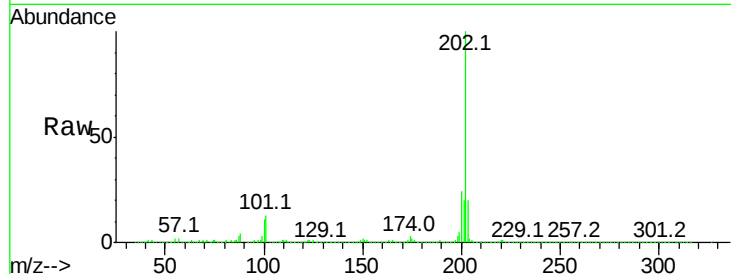
#77
Pvrene
Concen: 129.37 ng
RT: 13.00 min Scan# 933
Delta R.T. 0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

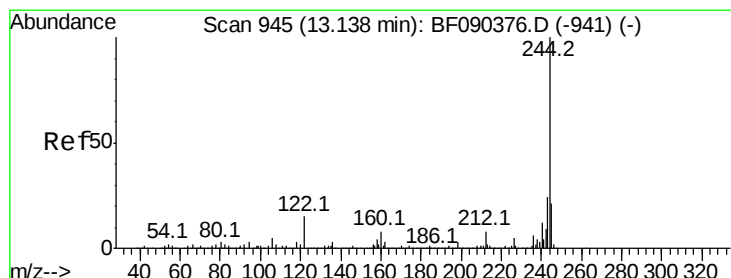
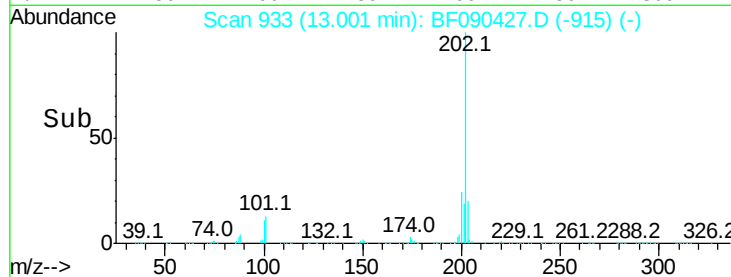
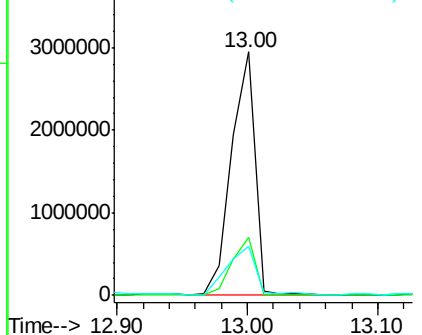
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.9	18.5	27.7
203	20.2	15.0	22.6

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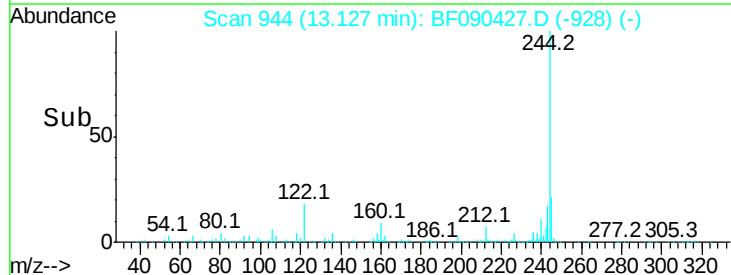
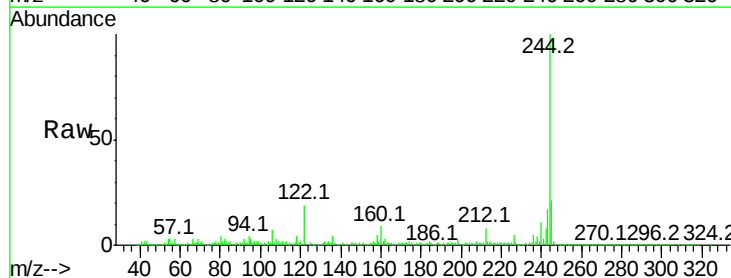
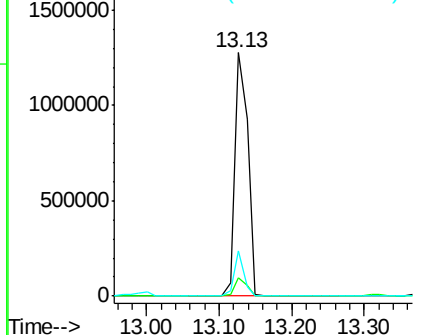
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

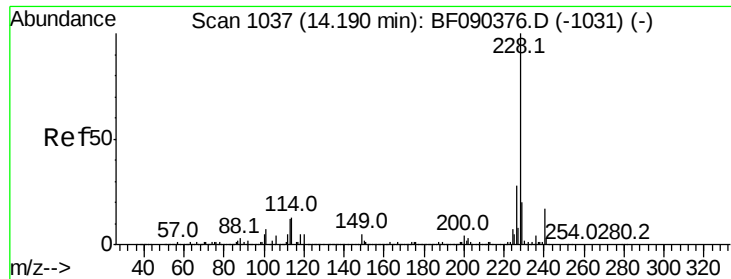


#78
Terphenyl-d14
Concen: 83.58 ng
RT: 13.13 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.8	10.2
122	18.8	13.3	19.9

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





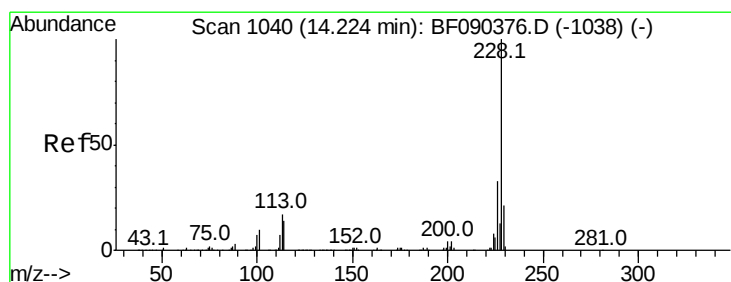
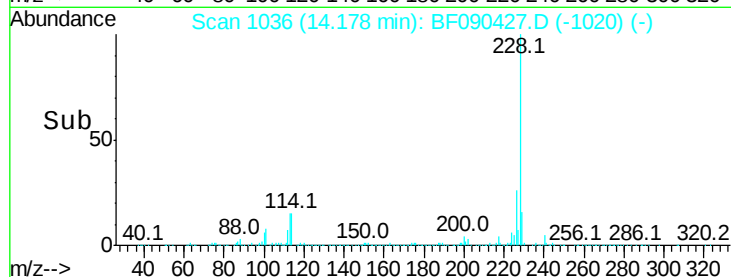
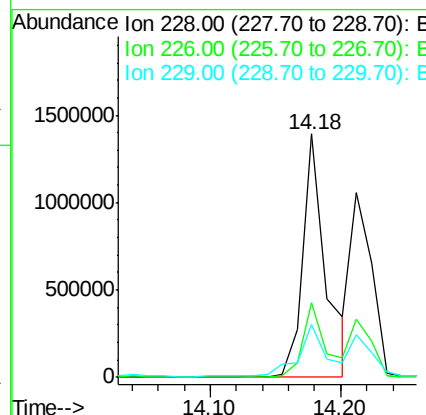
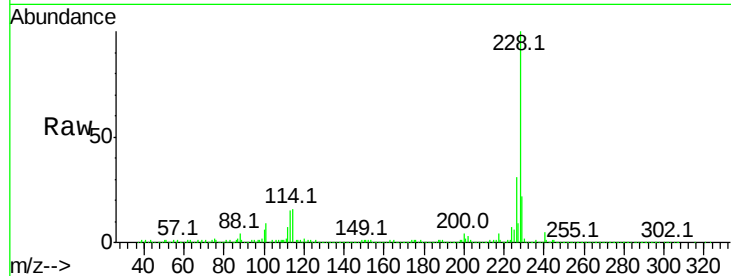
#80
Benzo(a)anthracene
Concen: 71.80 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.6	35.4
229	21.7	16.6	25.0

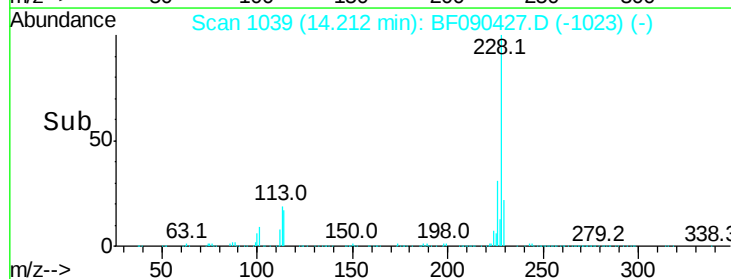
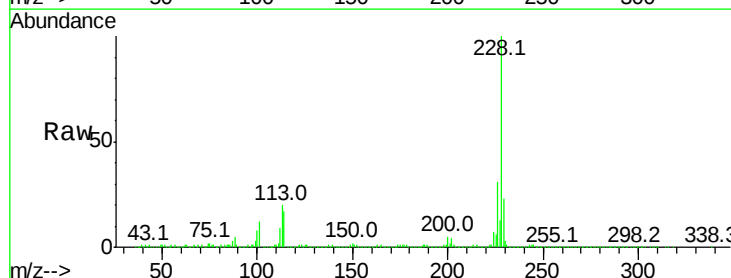
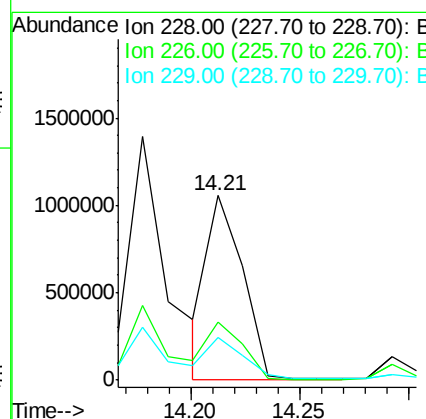
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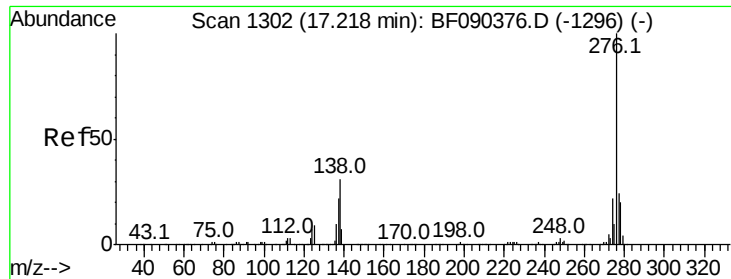
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#82
Chrysene
Concen: 54.37 ng
RT: 14.21 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.8	38.6
229	23.1	16.9	25.3





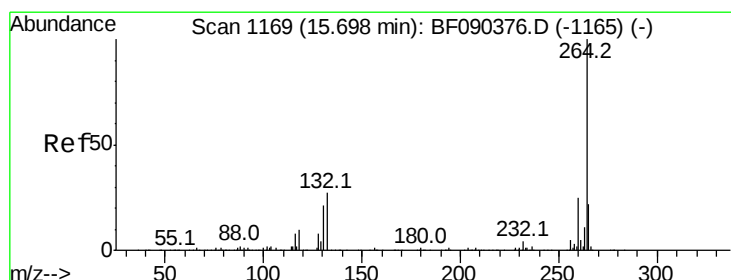
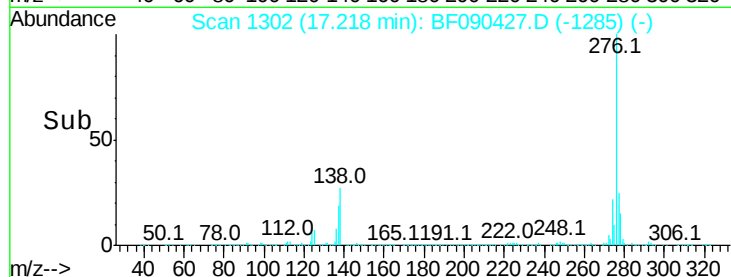
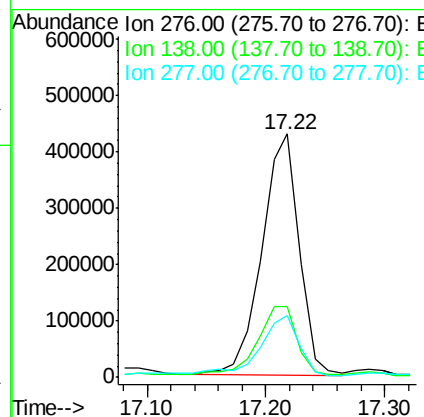
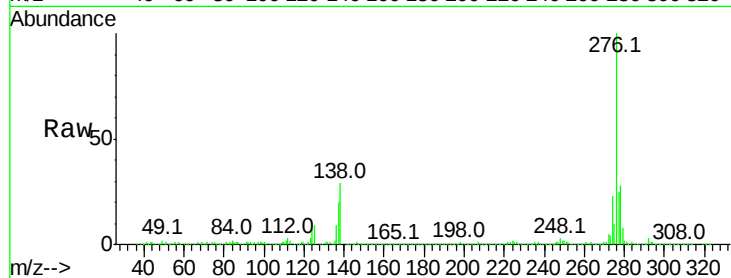
#85
Indeno(1,2,3-cd)pyrene
Concen: 59.94 ng
RT: 17.22 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	23.8	35.8
277	26.1	20.4	30.6

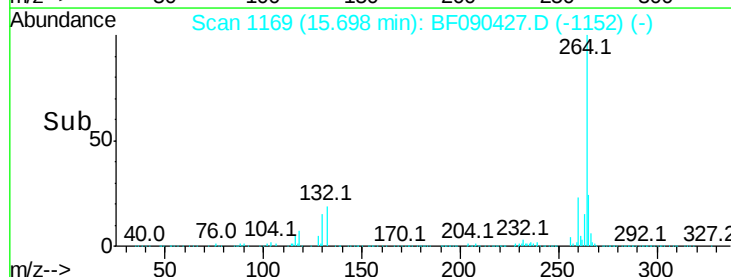
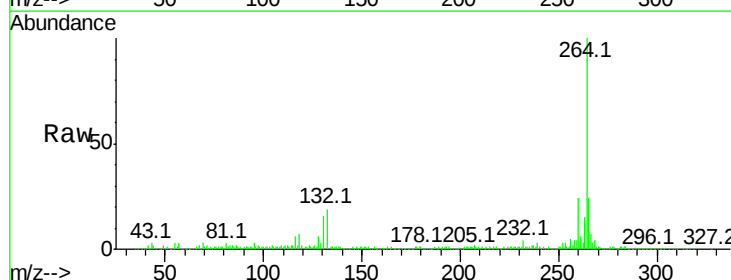
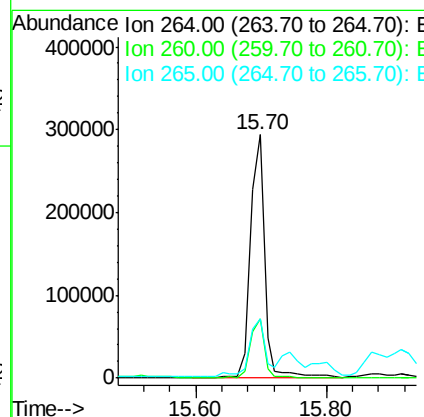
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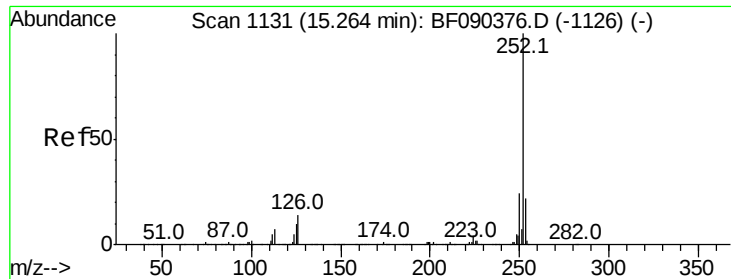
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	24.1	17.4	26.0





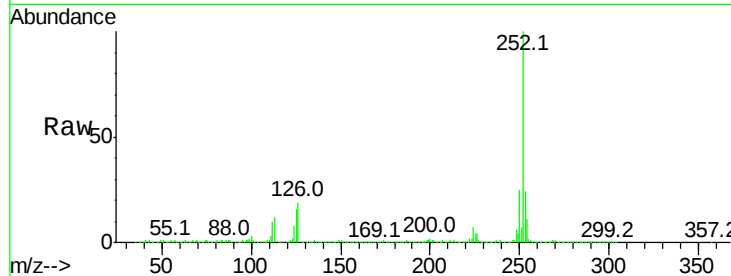
#87
Benzo(b)fluoranthene
Concen: 71.80 ng m
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

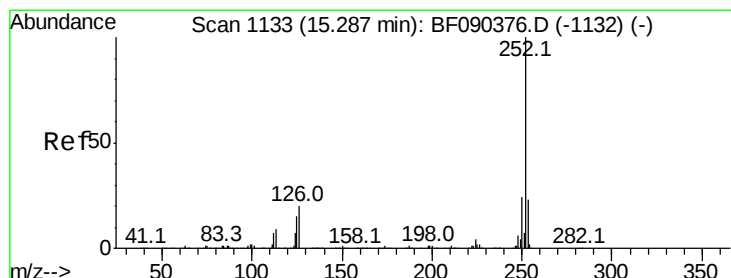
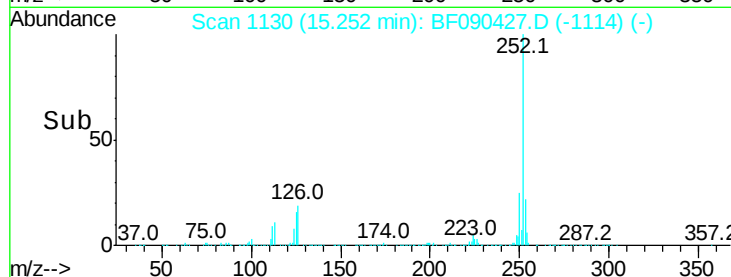
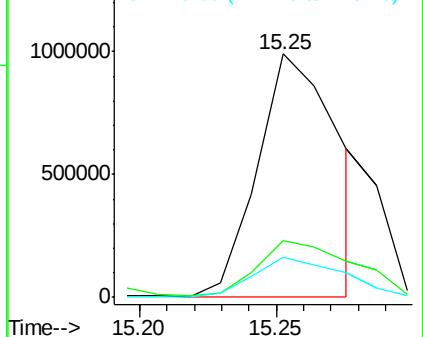
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	16.4	7.0	10.4

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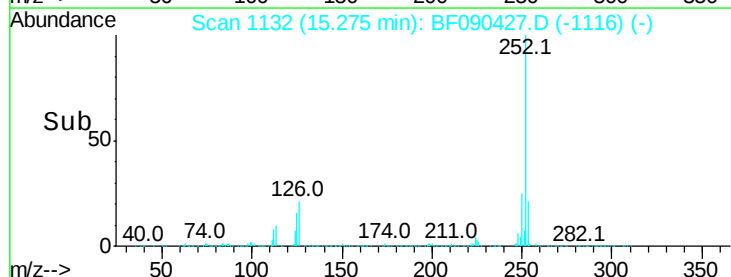
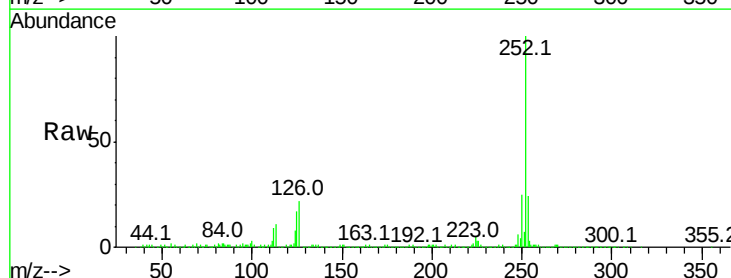
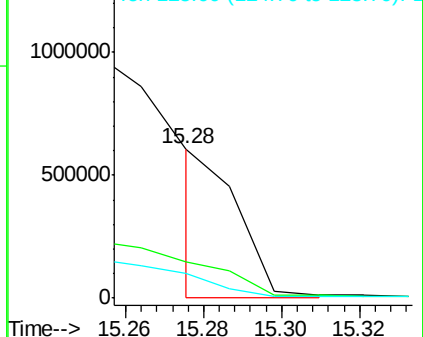
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

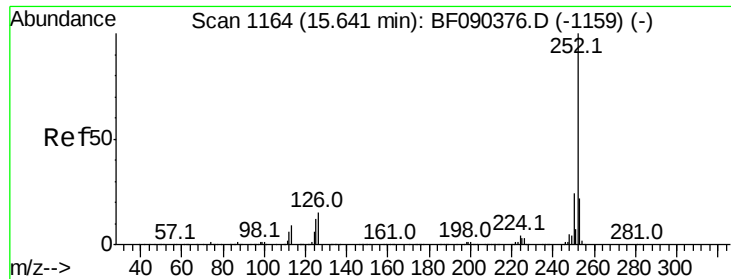


#88
Benzo(k)fluoranthene
Concen: 12.91 ng m
RT: 15.28 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.6	27.8
125	16.7	11.7	17.5

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





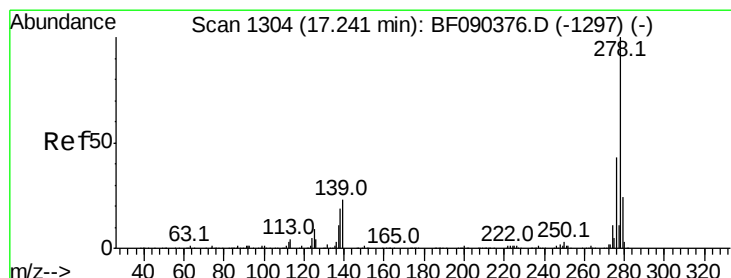
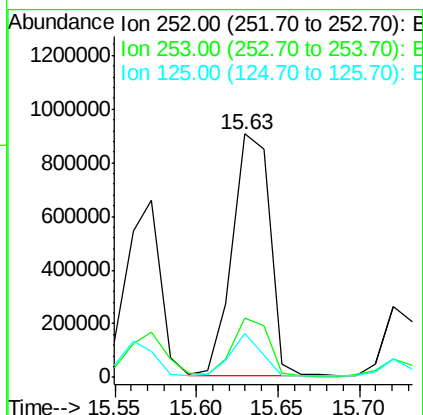
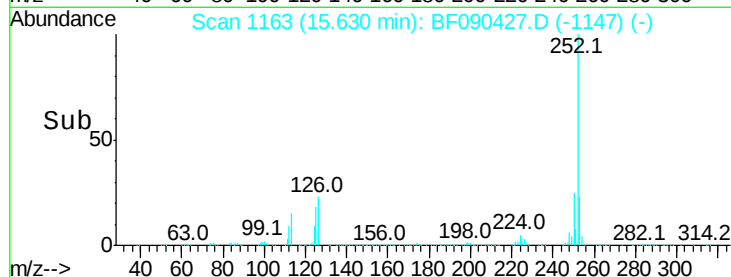
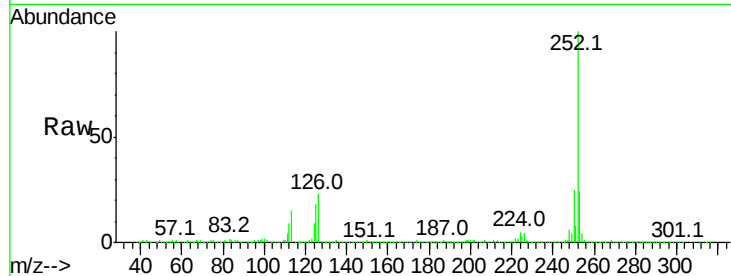
#89
Benzo(a)pyrene
Concen: 59.36 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	18.1	9.8	14.8

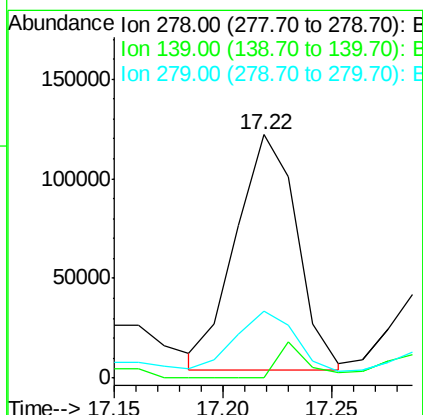
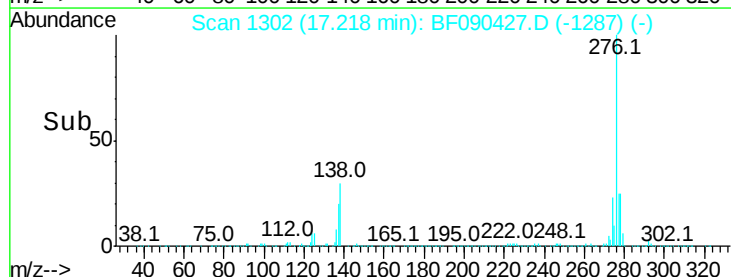
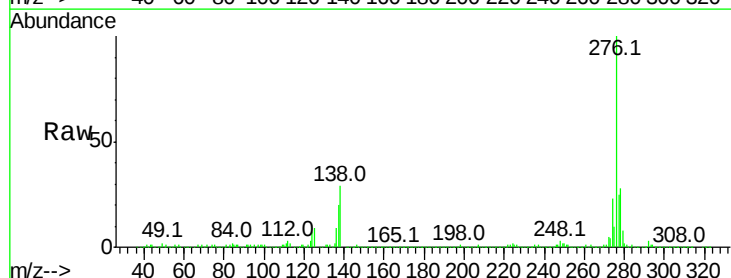
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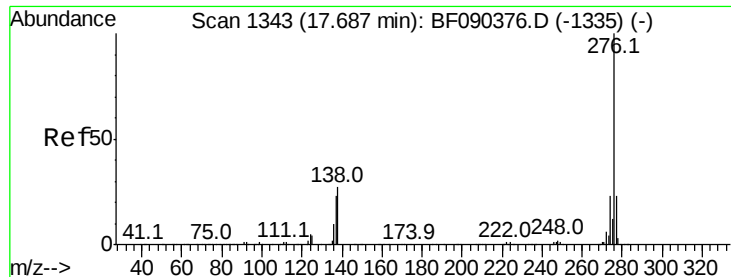
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#90
Dibenzo(a,h)anthracene
Concen: 11.23 ng
RT: 17.22 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF090427.D
Acq: 6 Oct 2016 19:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	27.3	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 47.20 ng
 RT: 17.68 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF090427.D
 Acq: 6 Oct 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.6	19.4	29.0
138	31.8	20.8	31.2

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