

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099403.D
 Acq On : 12 Oct 2017 19:08
 Operator : SJ/JU
 Sample : I5729-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1W-(1-2)

Manual Integrations
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Sohil
 10/13/2017 3:05:43 PM

Quant Time: Oct 13 02:14:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	109571	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	429251	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	167582	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	243304	20.00	ng	0.00
75) Chrysene-d12	14.02	240	204372	20.00	ng	0.00
86) Perylene-d12	15.49	264	184753	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	118855	17.27	ng	0.00
7) Phenol-d6	6.48	99	144784	17.05	ng	0.00
23) Nitrobenzene-d5	7.41	82	82340	12.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	20323	14.82	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	169292	16.86	ng	0.00
78) Terphenyl-d14	12.95	244	105176	11.70	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	42795	2.123	ng	99
51) Acenaphthene	9.92	154	38601	3.681	ng	98
54) Dibenzofuran	10.09	168	38346	2.746	ng	99
57) Fluorene	10.43	166	44041	3.924	ng	98
70) Phenanthrene	11.40	178	491058	37.706	ng	98
71) Anthracene	11.45	178	117790	8.840	ng	97
72) Carbazole	11.61	167	66961	5.131	ng	99
74) Fluoranthene	12.59	202	667482	50.614	ng	99
77) Pyrene	12.82	202	571633	36.680	ng	100
80) Benzo(a)anthracene	14.01	228	285417	23.064	ng	98
82) Chrysene	14.04	228	268816	22.816	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	100868	10.702	ng	99
87) Benzo(b)fluoranthene	15.06	252	294556m	25.931	ng	
88) Benzo(k)fluoranthene	15.09	252	112098m	9.991	ng	
89) Benzo(a)pyrene	15.43	252	199474	19.130	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	25659	3.075	ng	# 72
91) Benzo(g,h,i)perylene	17.42	276	99334	12.042	ng	97

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

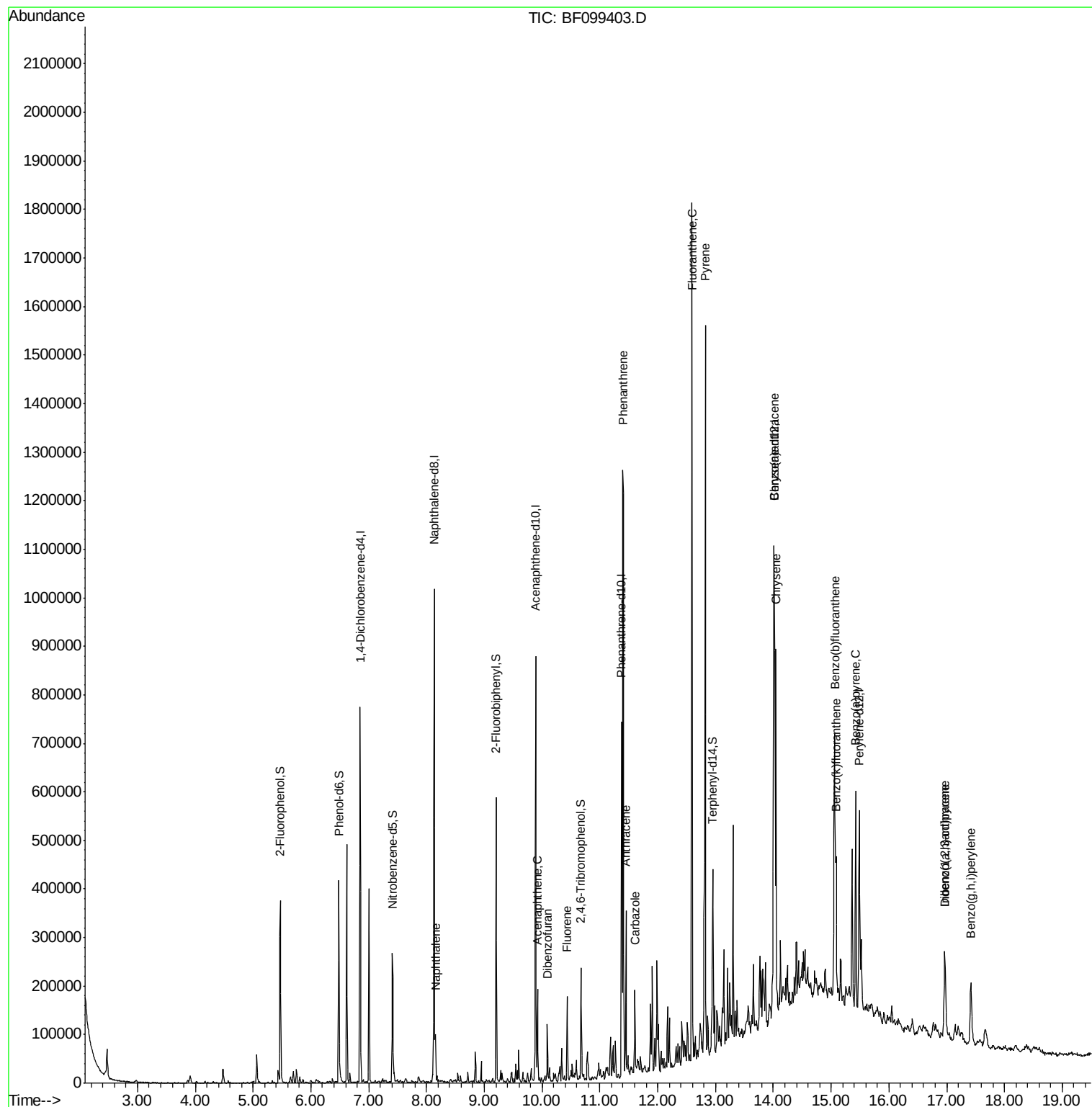
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
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ALS Vial : 8 Sample Multiplier: 1

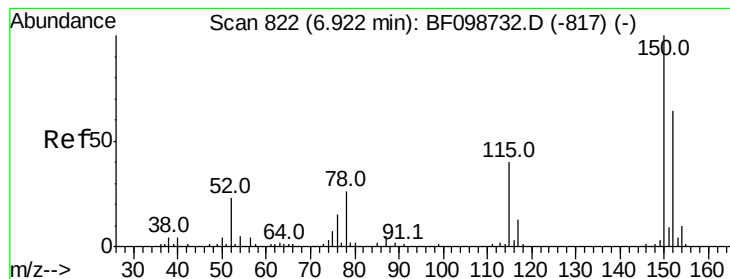
Instrument :
BNA_F
ClientSampleId :
1W-(1-2)

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

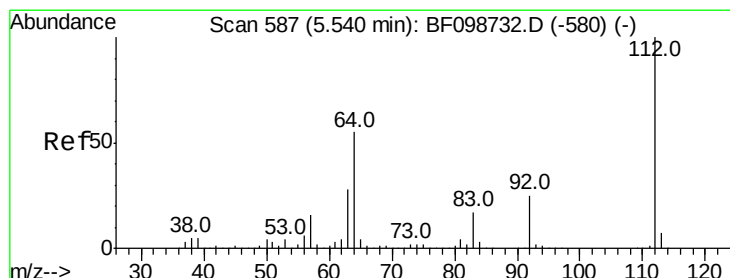
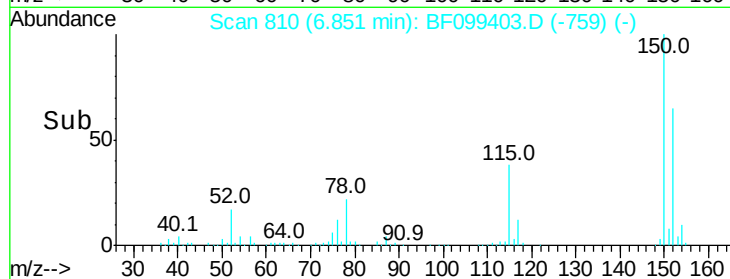
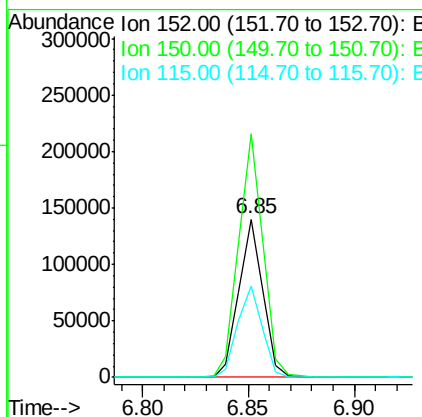
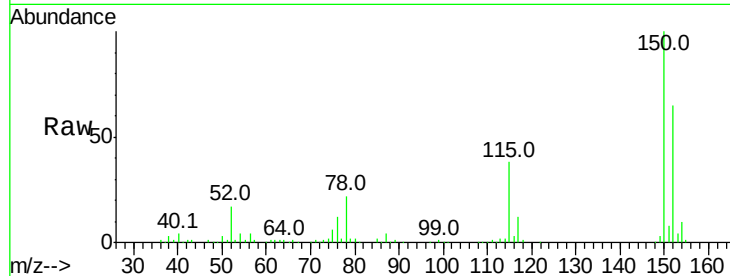
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.9	50.1	75.1

Manual Integrations
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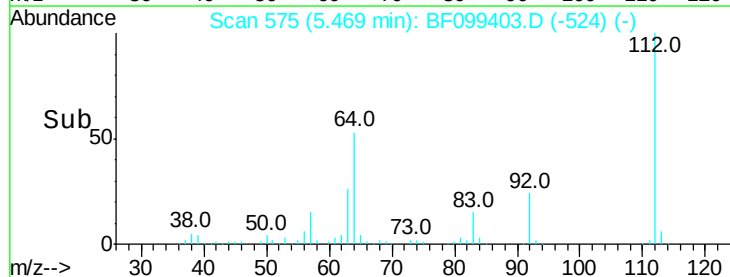
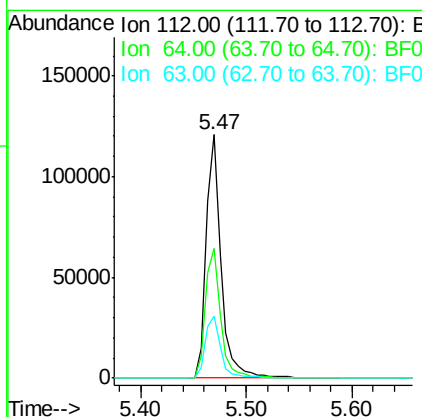
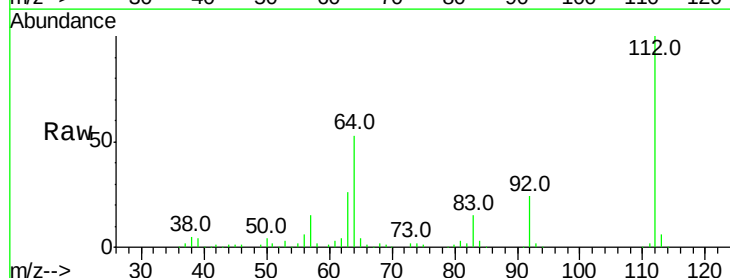
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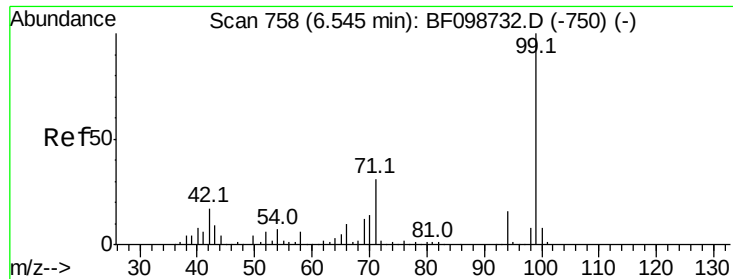


#5

2-Fluorophenol
Concen: 17.268 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	25.5	23.7	35.5





#7

Phenol-d6

Concen: 17.051 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Instrument :

BNA_F

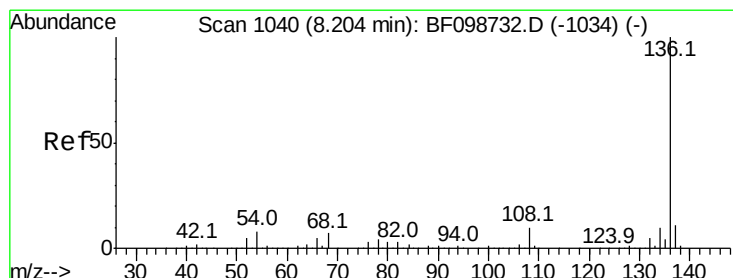
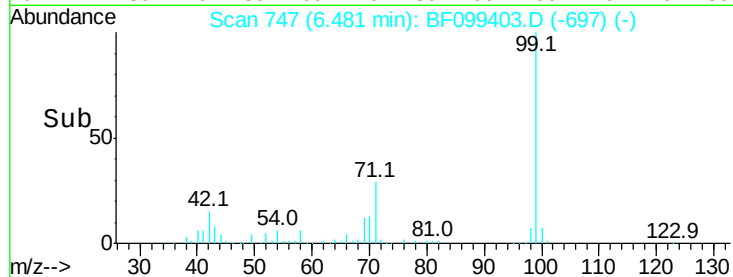
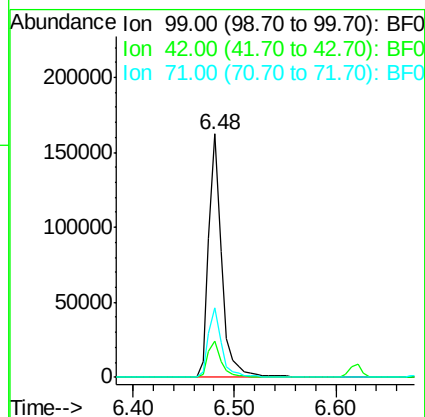
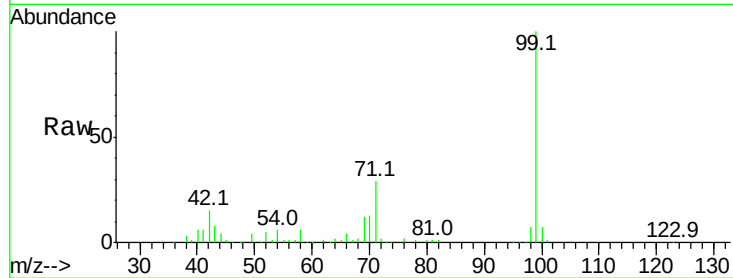
ClientSampleId :

1W-(1-2)

Tot Ion:	99	Resp:	144784
Ion Ratio	Lower	Upper	
99	100		
42	15.1	14.5	21.7
71	28.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

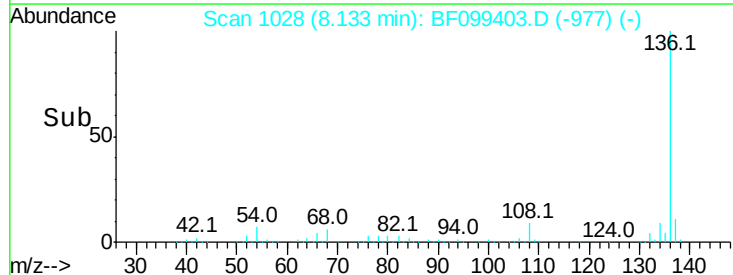
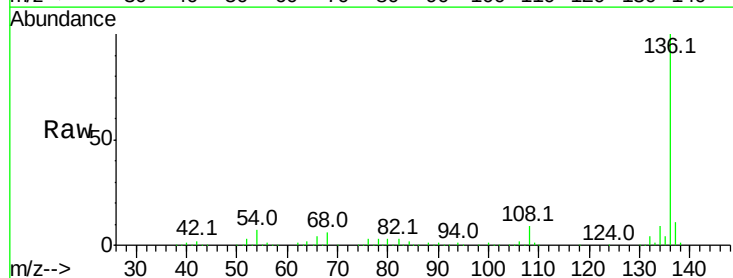
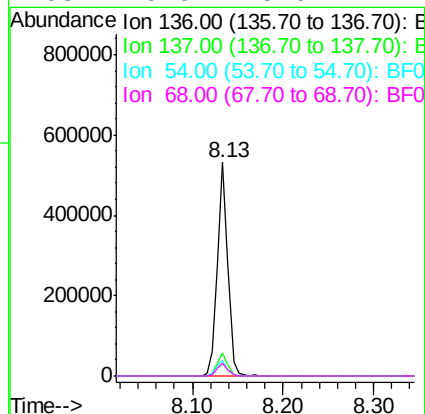
RT: 8.13 min Scan# 1028

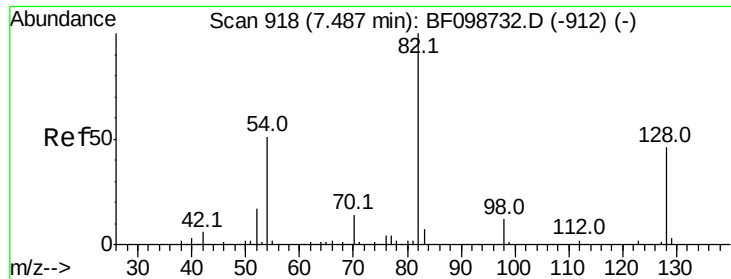
Delta R.T. -0.00 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Tgt Ion:	136	Resp:	429251
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	6.0	5.0	7.4





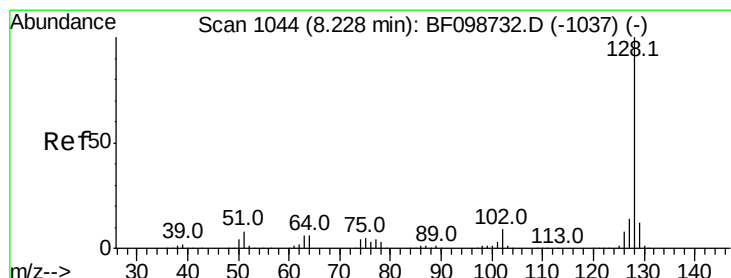
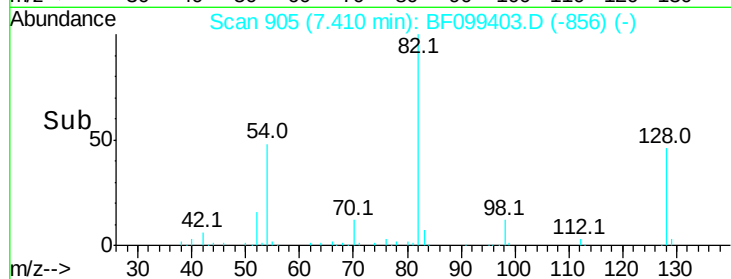
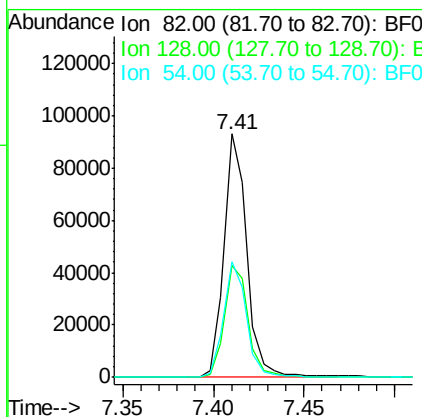
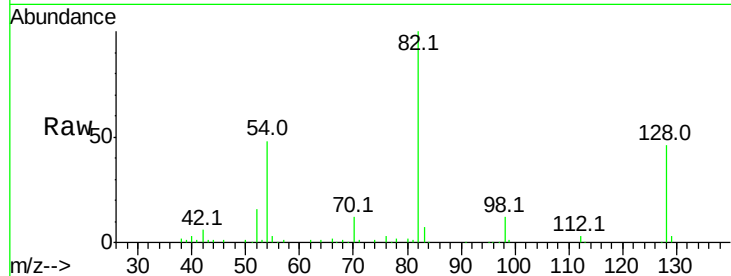
#23
Nitrobenzene-d5
Concen: 12.302 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	47.6	41.4	62.2

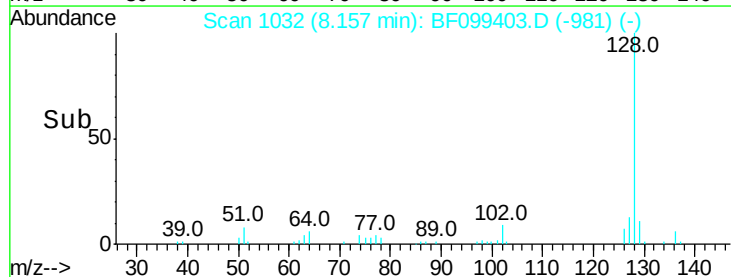
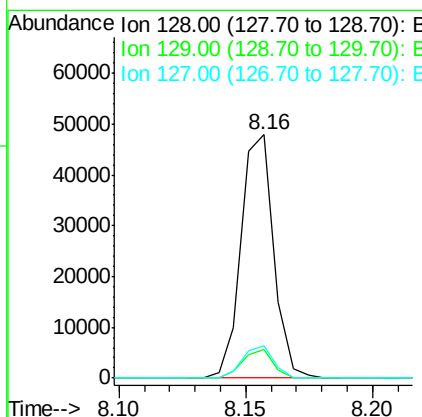
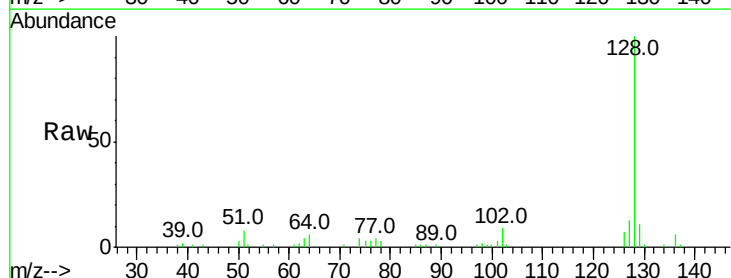
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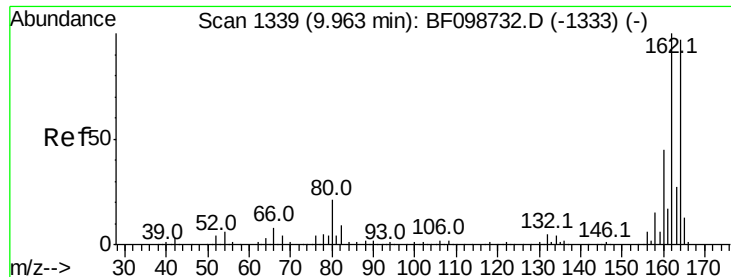
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#31
Naphthalene
Concen: 2.123 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.3	10.9	16.3





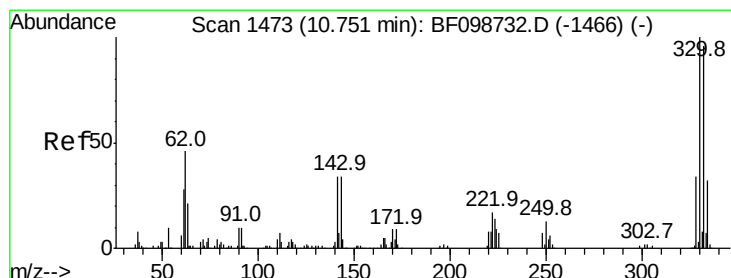
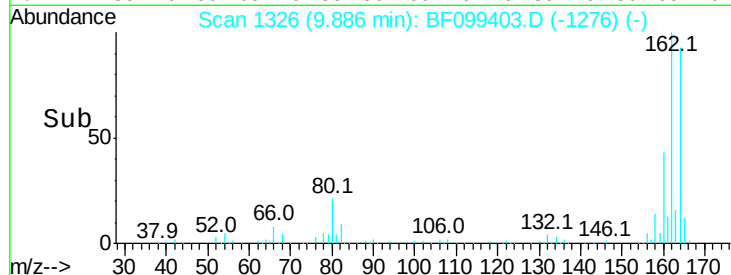
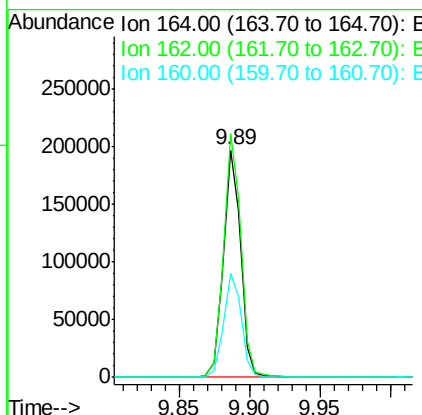
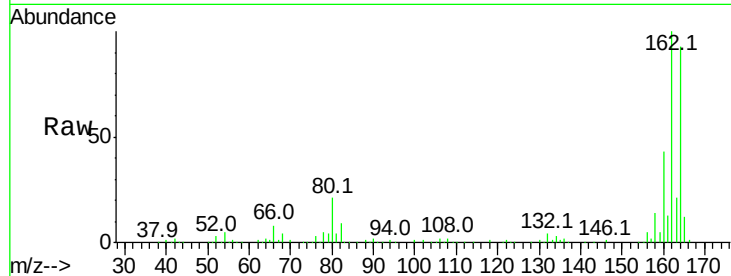
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	167582		
162	107.2	86.1	129.1	
160	45.6	38.3	57.5	

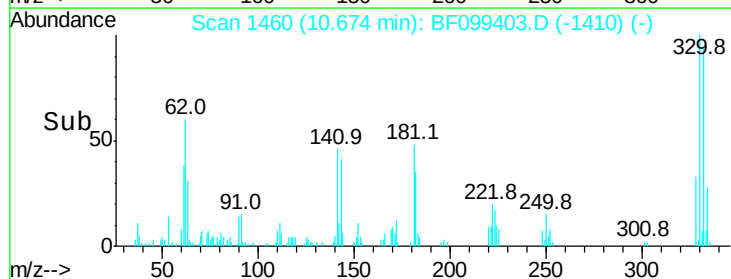
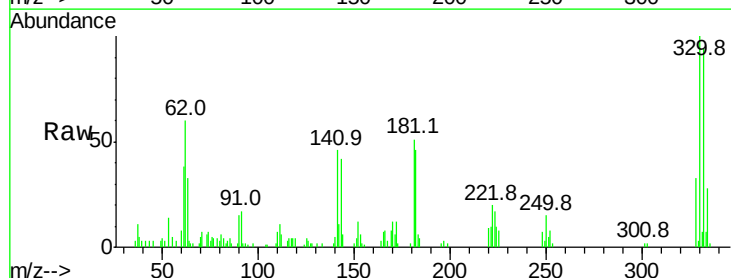
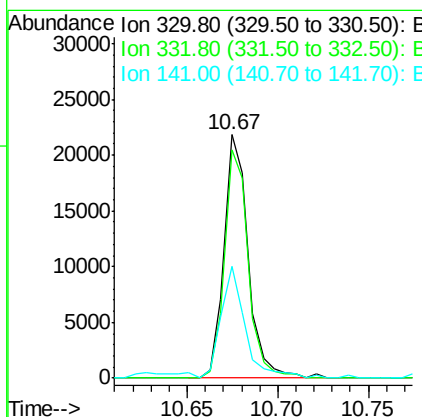
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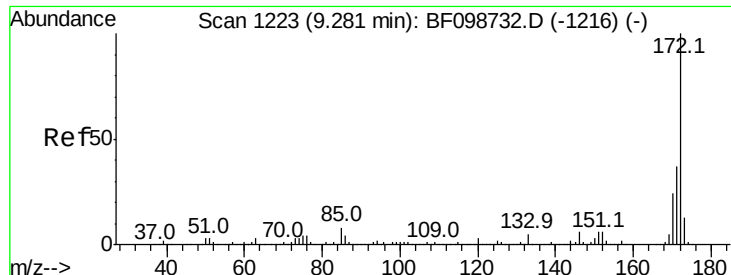
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#41
2,4,6-Tribromophenol
Concen: 14.821 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20323		
332	92.1	77.0	115.6	
141	46.1	29.9	44.9#	





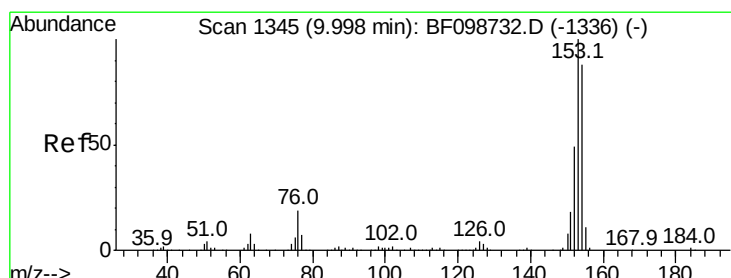
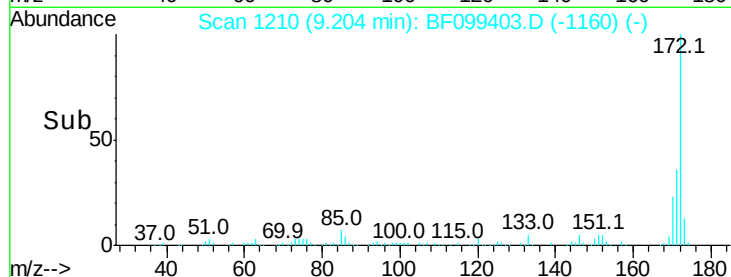
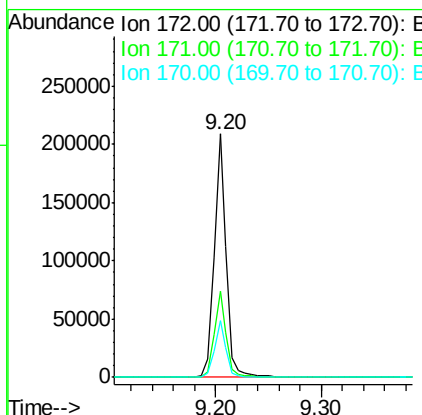
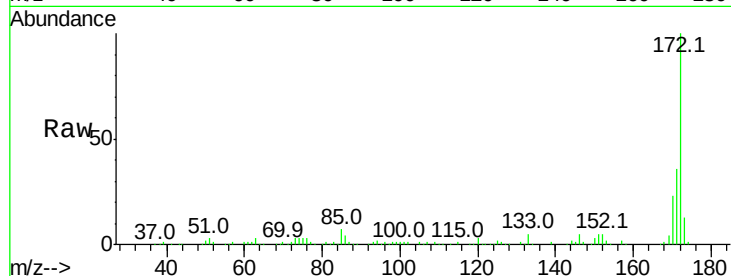
#44
 2-Fluorobiphenyl
 Concen: 16.865 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Instrument :
 BNA_F
 ClientSampled :
 1W-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	169292		
171	35.7		29.7	44.5
170	23.2		19.6	29.4

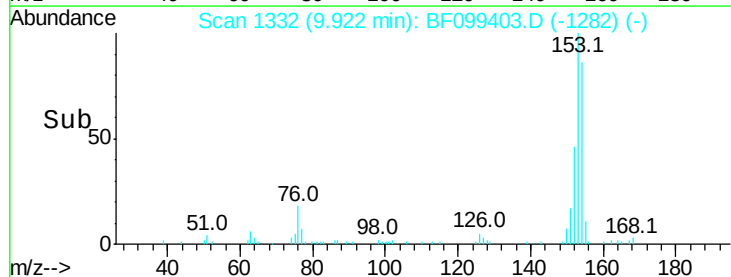
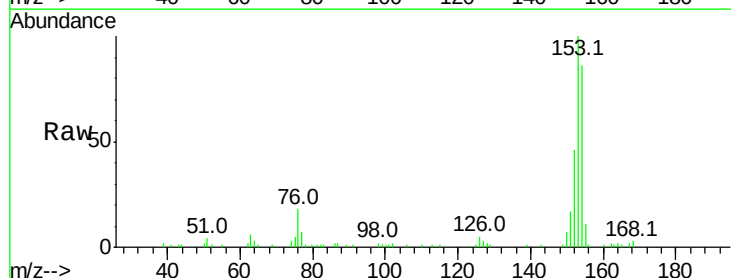
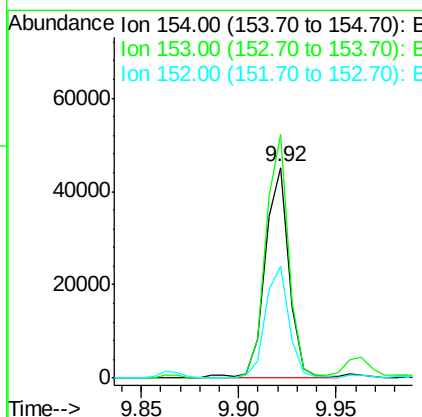
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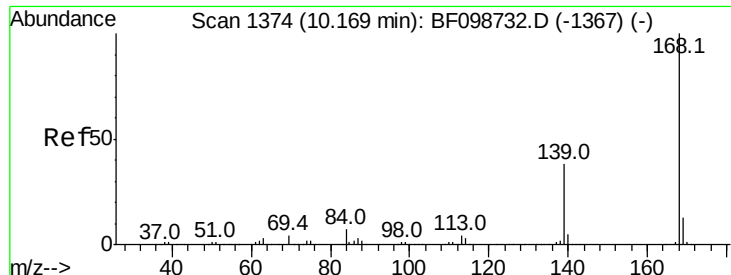
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#51
 Acenaphthene
 Concen: 3.681 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	38601		
153	115.6		91.2	136.8
152	52.9		43.8	65.8





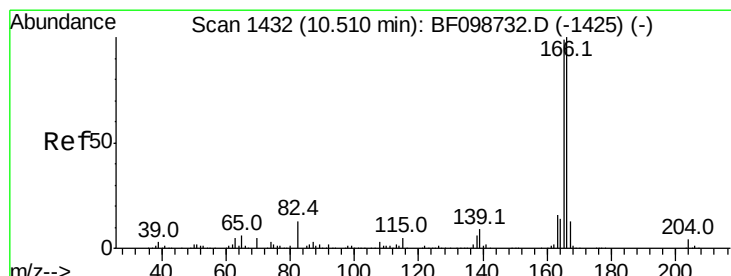
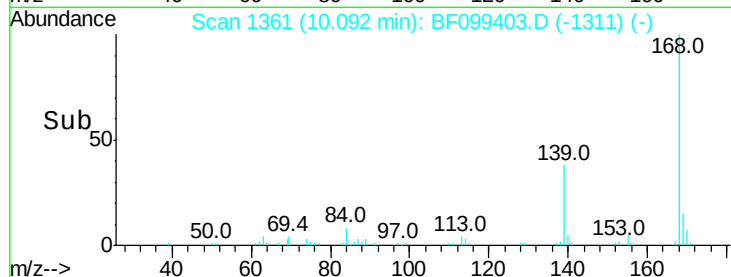
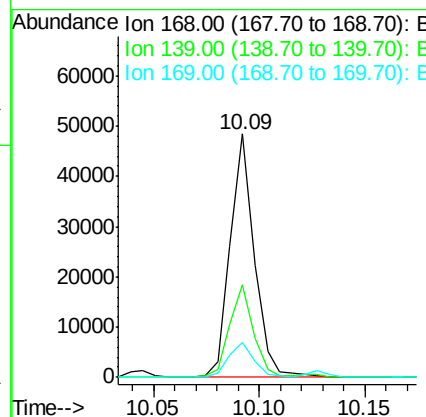
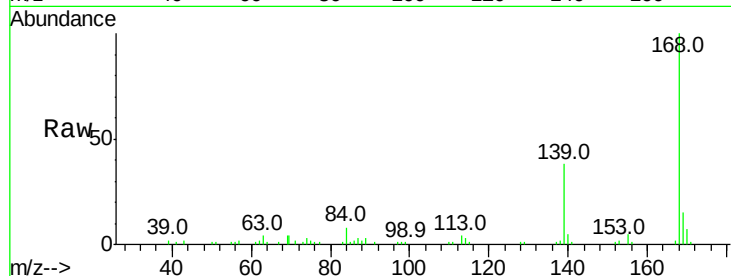
#54
Dibenzenofuran
Concen: 2.746 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.0		30.1	45.1
169	14.6		10.9	16.3

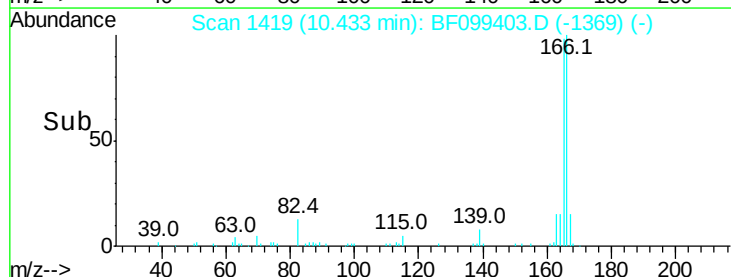
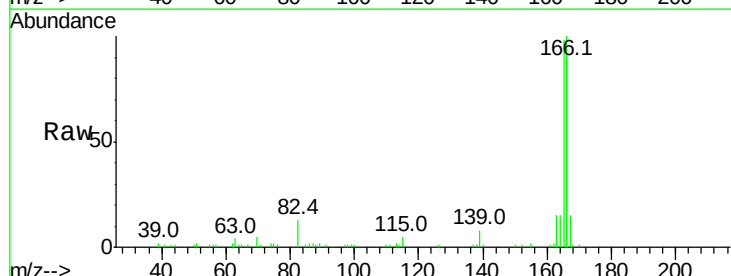
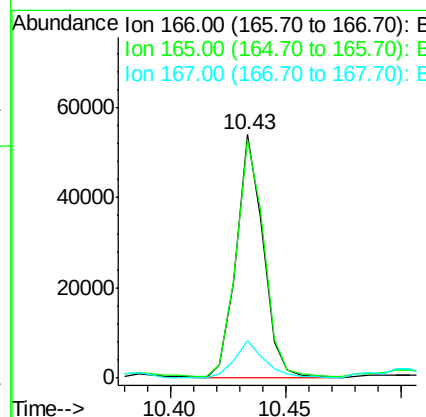
Manual Integrations
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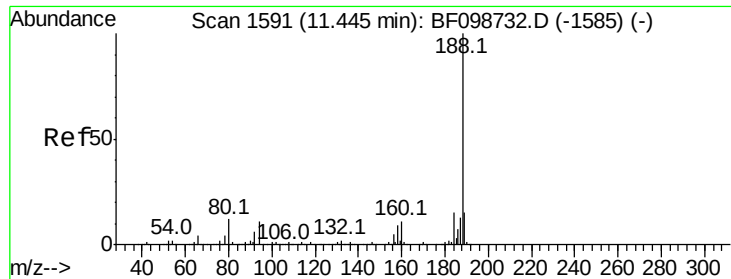
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#57
Fluorene
Concen: 3.924 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.9		79.8	119.8
167	15.3		10.6	16.0





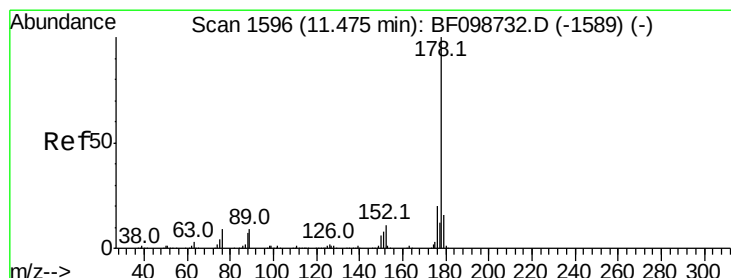
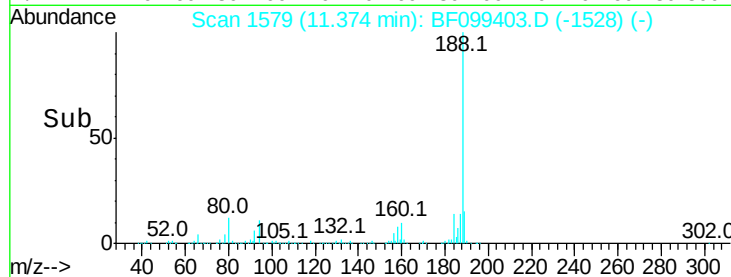
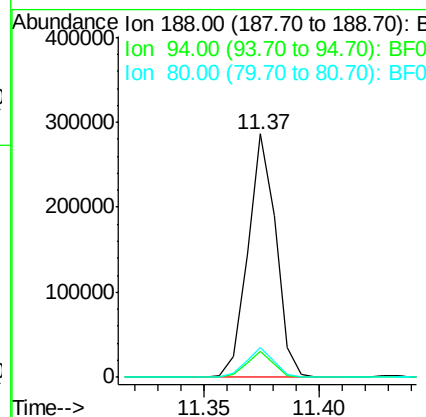
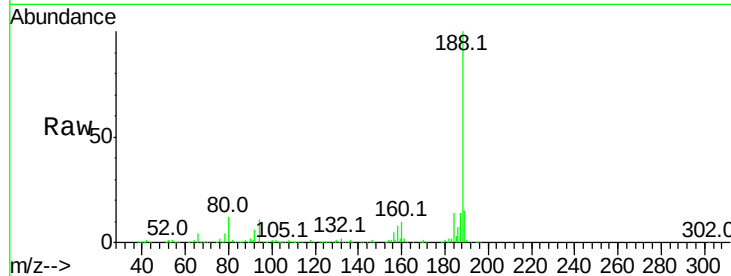
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :
 1W-(1-2)

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	8.5	12.7
80	12.1	9.2	13.8

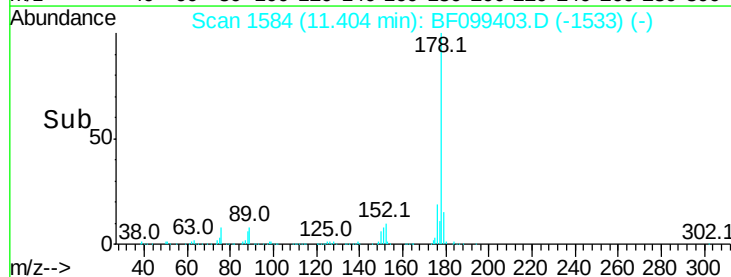
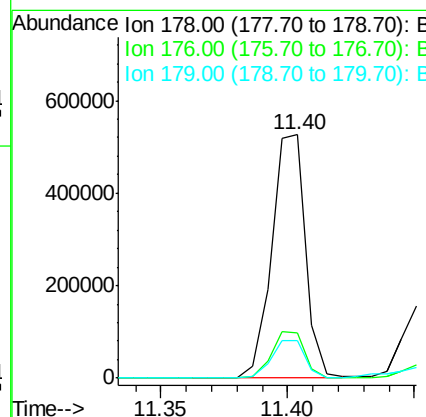
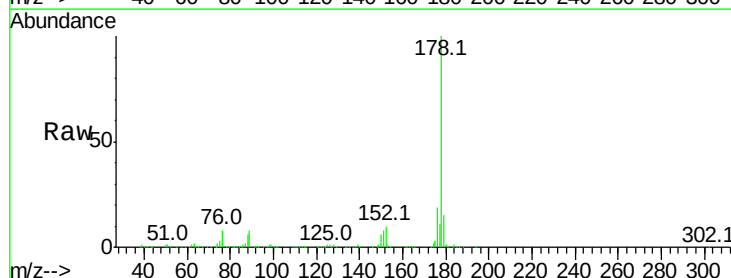
Manual Integrations
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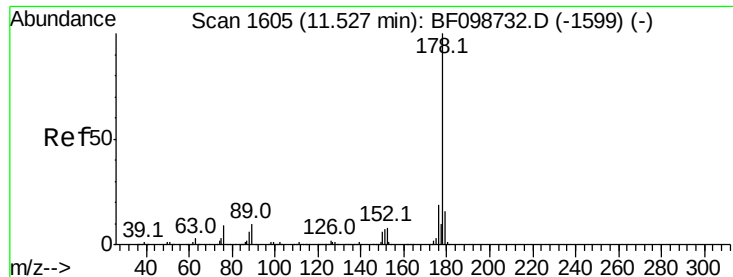
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#70
 Phenanthrene
 Concen: 37.706 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.8	23.8
179	15.4	13.0	19.6





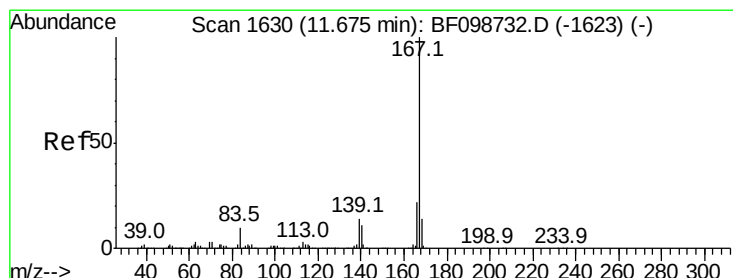
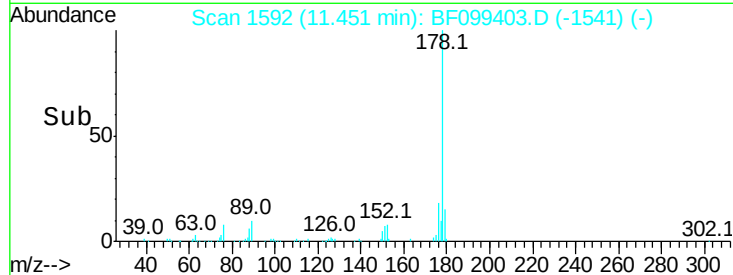
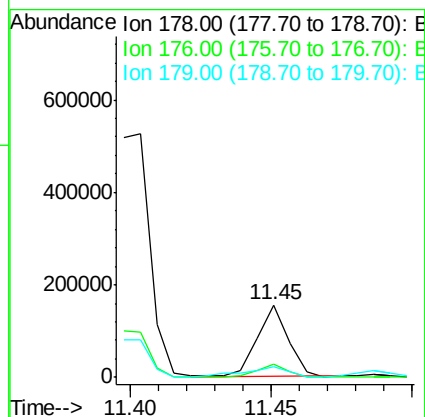
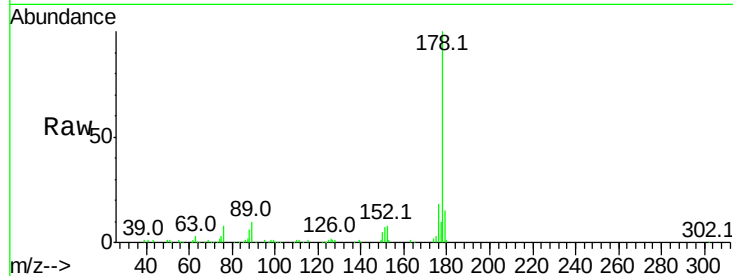
#71
 Anthracene
 Concen: 8.840 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :
 1W-(1-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.5	12.6	19.0

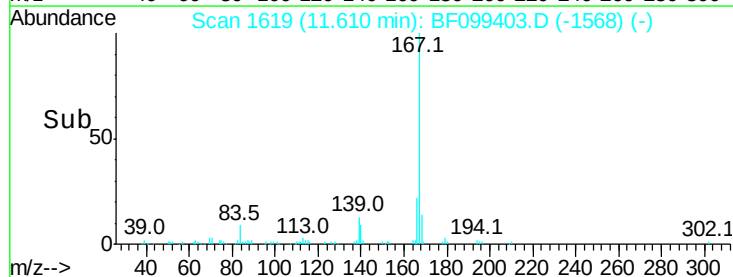
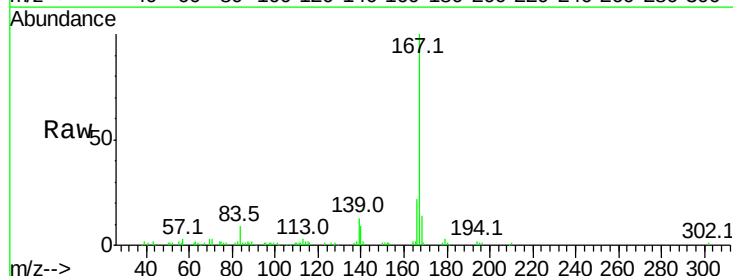
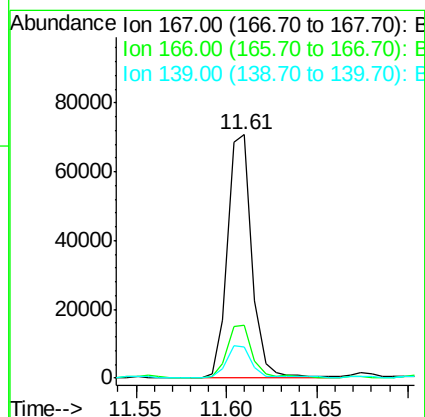
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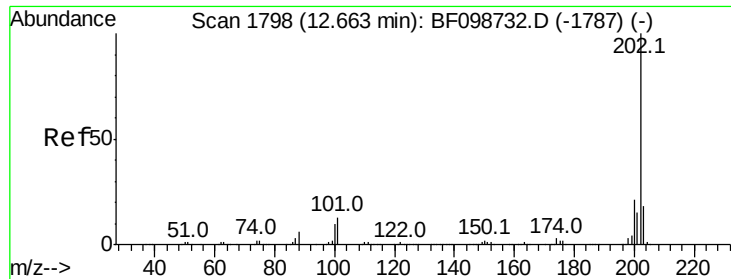
Sohil
 10/13/2017 3:05:43 PM



#72
 Carbazole
 Concen: 5.131 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 50.614 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Instrument :

BNA_F

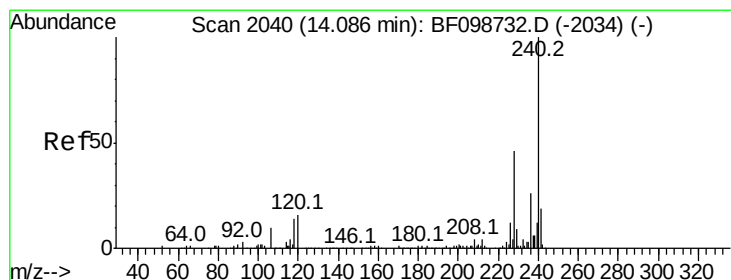
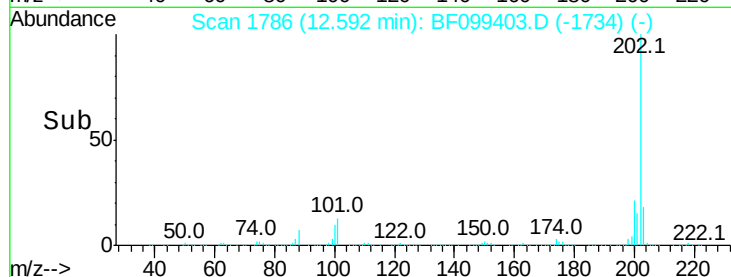
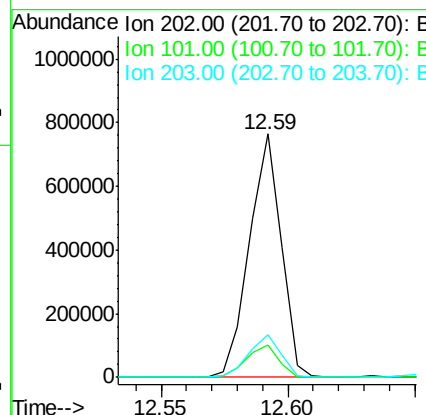
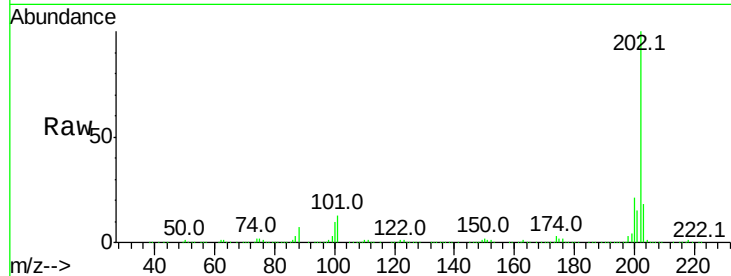
ClientSampled :

1W-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	667482		
101	13.5	0.0	34.1	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

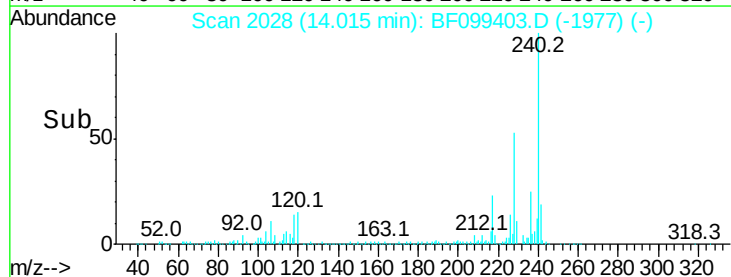
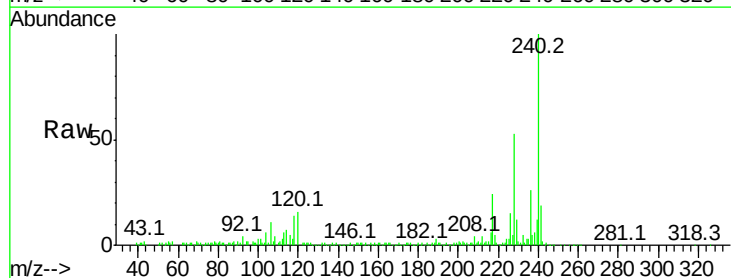
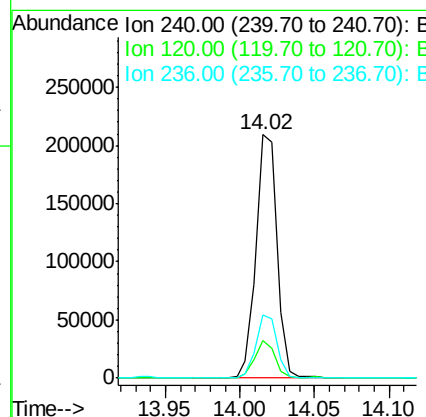
RT: 14.02 min Scan# 2028

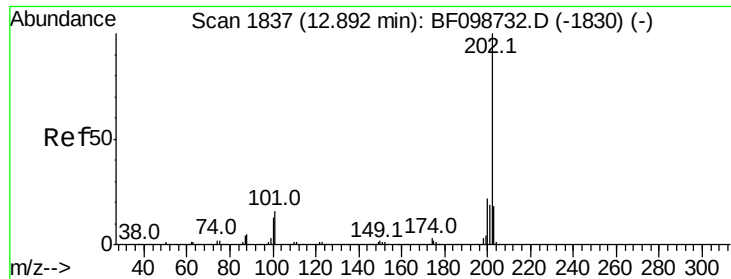
Delta R.T. -0.00 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	204372		
120	15.5	9.5	14.3#	
236	25.7	20.7	31.1	





#77

Pvrene

Concen: 36.680 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Instrument :

BNA_F

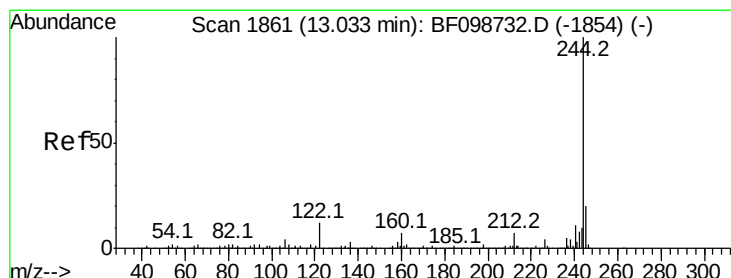
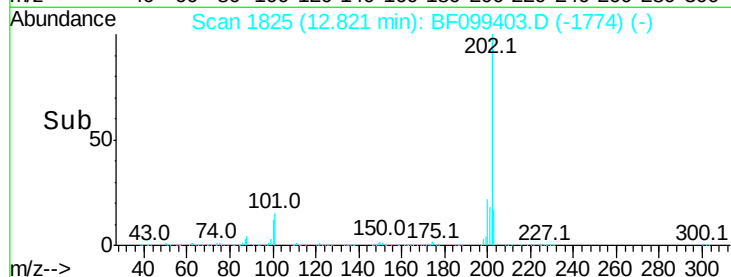
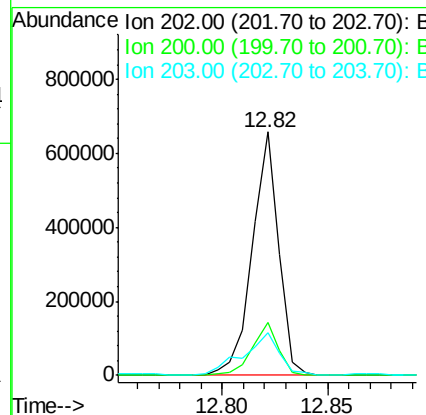
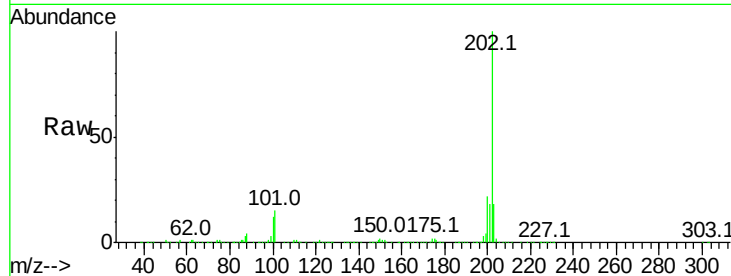
ClientSampleId :

1W-(1-2)

Tot Ion:	202	Resp:	571633
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.704 ng

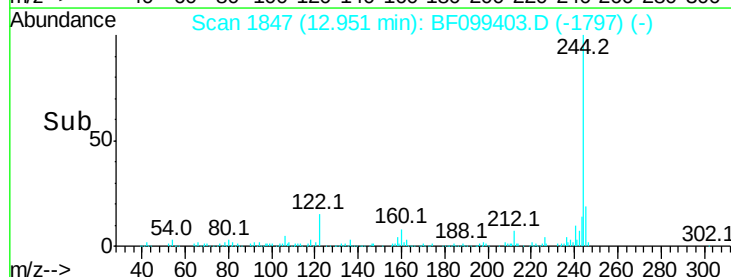
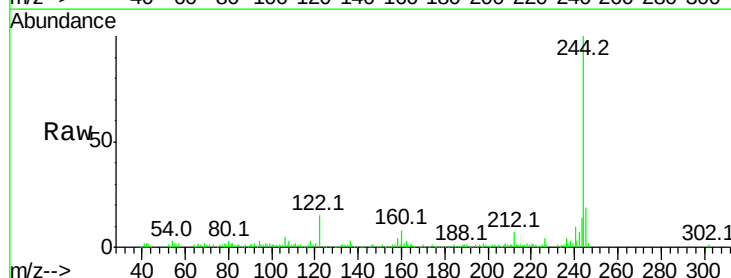
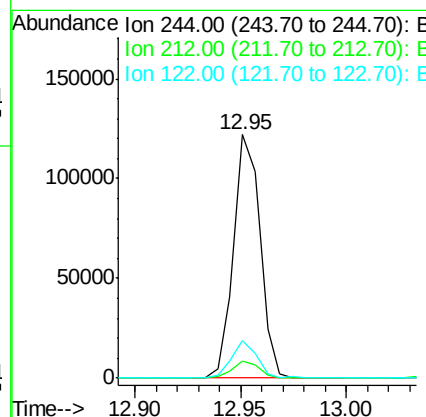
RT: 12.95 min Scan# 1847

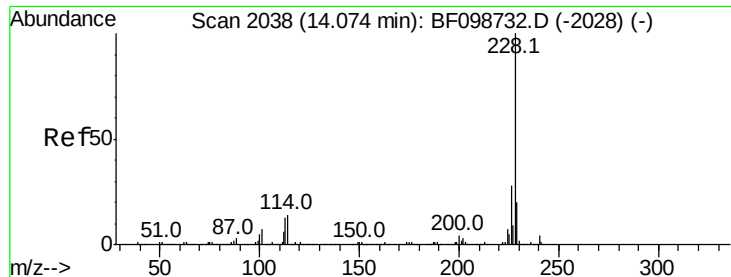
Delta R.T. -0.01 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Tgt Ion:	244	Resp:	105176
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	15.4	11.0	16.4





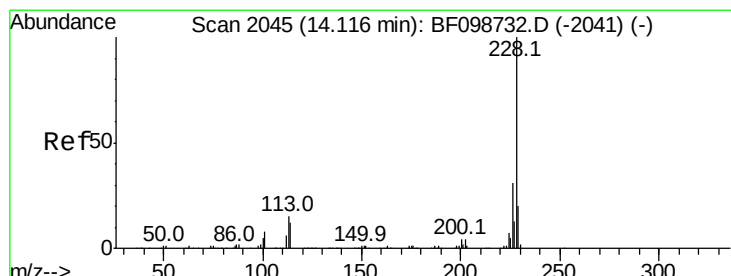
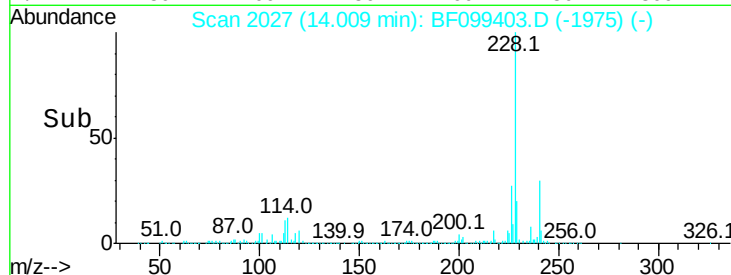
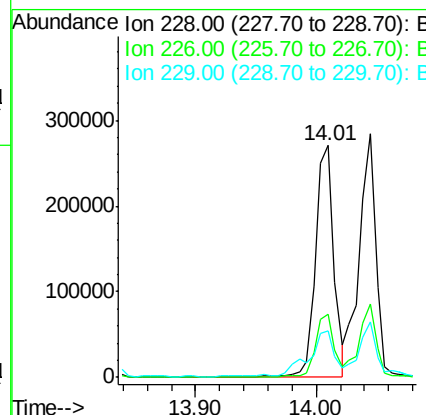
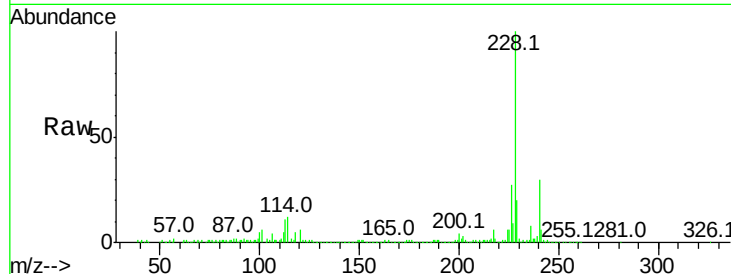
#80
Benzo(a)anthracene
Concen: 23.064 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.3	15.8	23.6

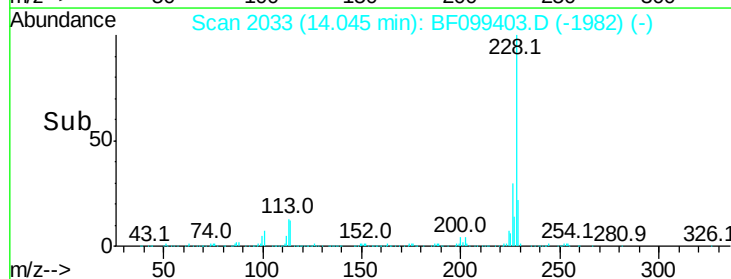
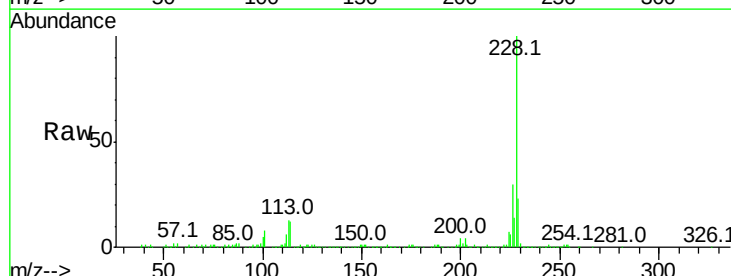
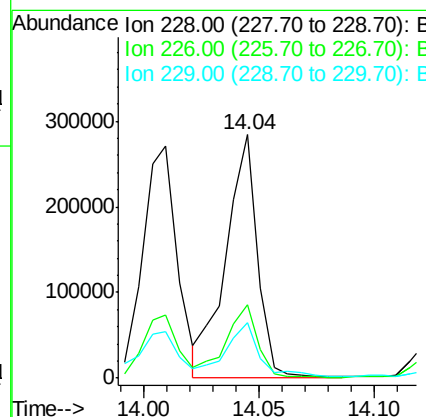
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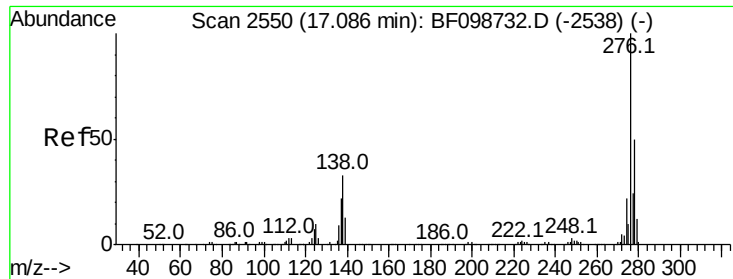
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#82
Chrysene
Concen: 22.816 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.702 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Instrument :

BNA_F

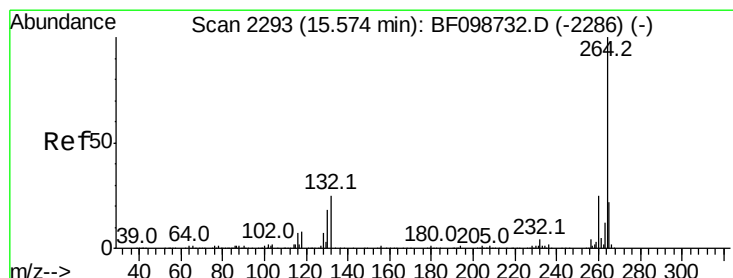
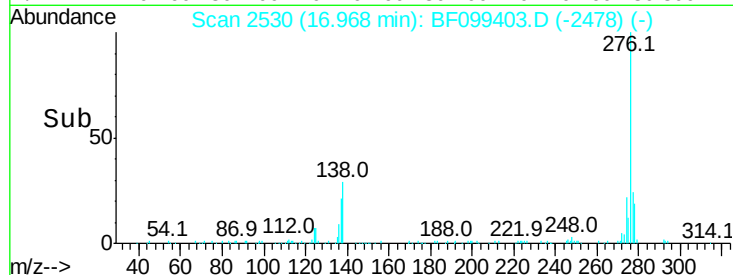
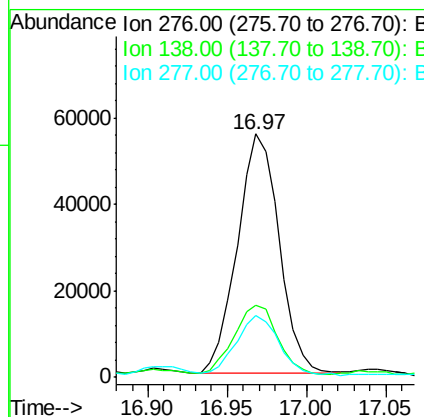
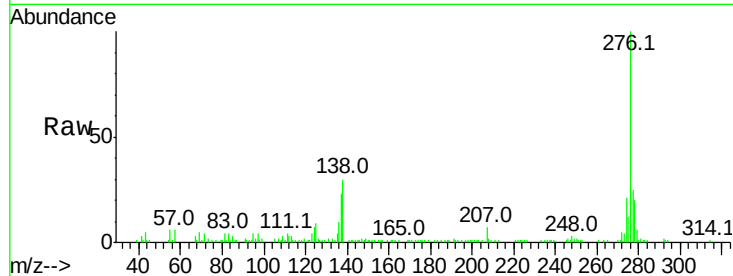
ClientSampleId :

1W-(1-2)

Tot Ion:	276	Resp:	100868
Ion Ratio	Lower	Upper	
276	100		
138	30.6	25.0	37.6
277	25.7	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

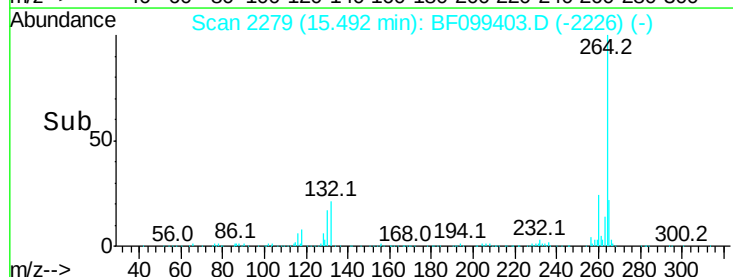
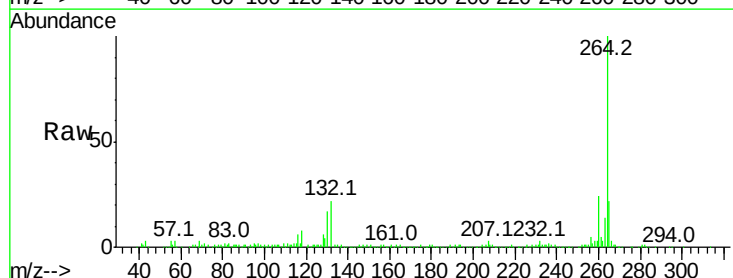
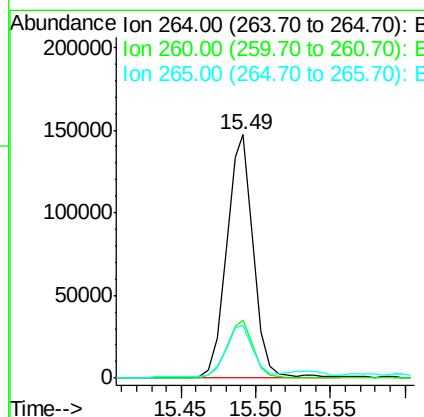
RT: 15.49 min Scan# 2279

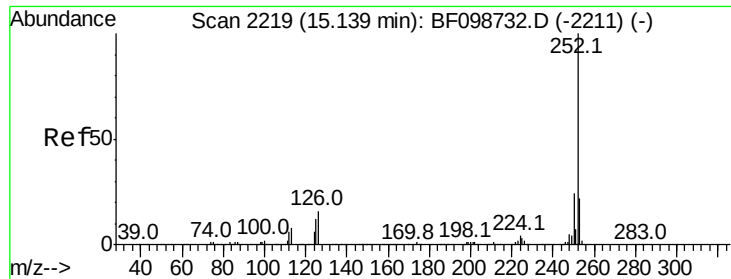
Delta R.T. 0.01 min

Lab File: BF099403.D

Acq: 12 Oct 2017 19:08

Tgt Ion:	264	Resp:	184753
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3





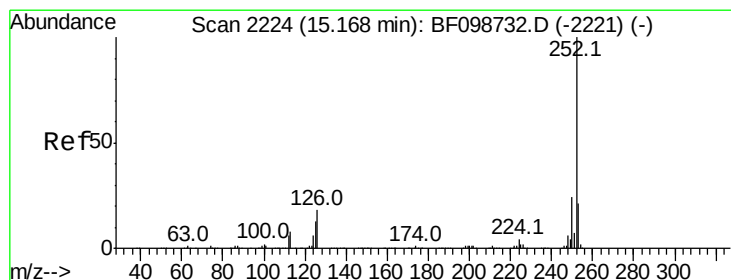
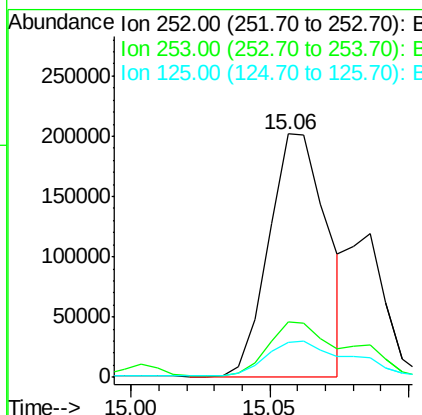
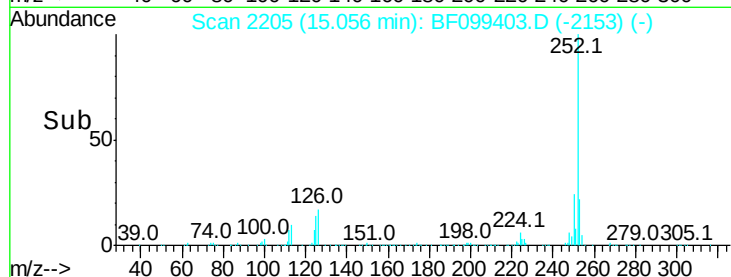
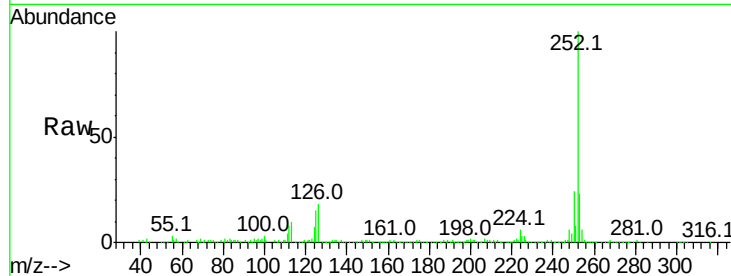
#87
Benzo(b)fluoranthene
Concen: 25.931 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampled :
1W-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	294556		
253	22.9	17.0	25.6	
125	14.6	9.0	13.6	

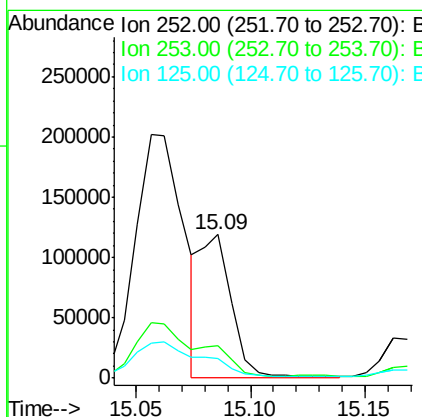
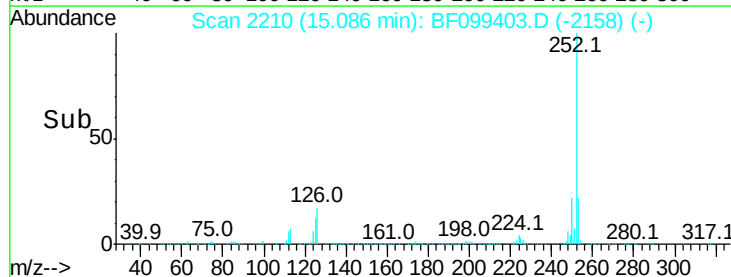
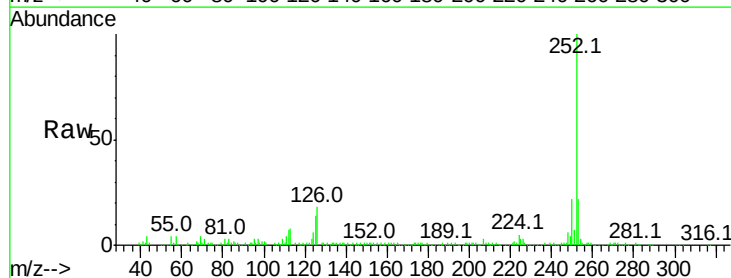
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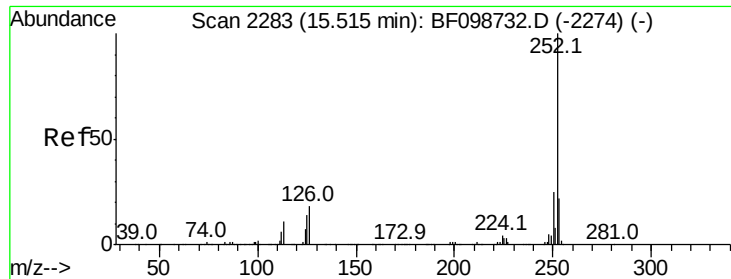
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#88
Benzo(k)fluoranthene
Concen: 9.991 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	112098		
253	22.4	17.9	26.9	
125	13.5	10.2	15.2	





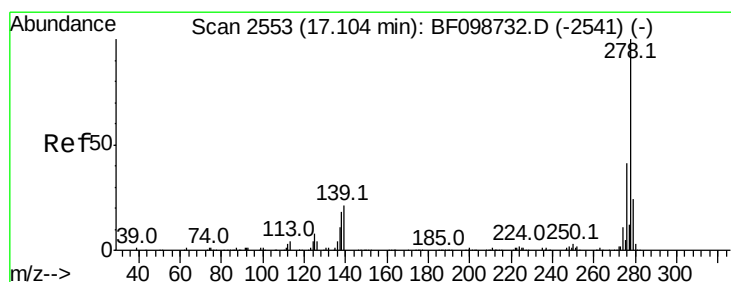
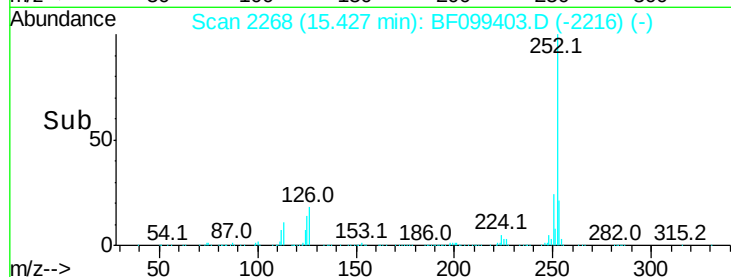
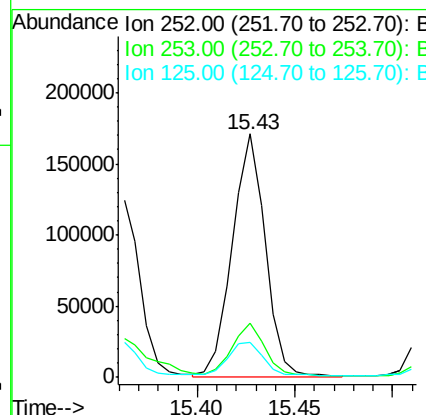
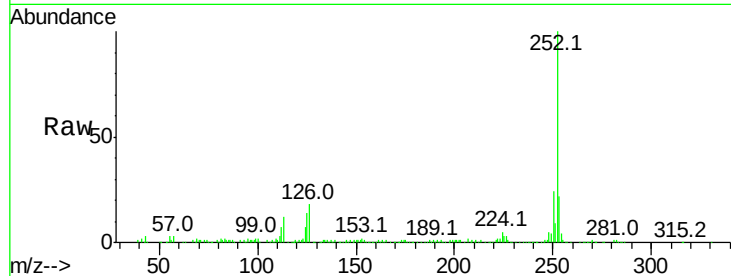
#89
Benzo(a)pyrene
Concen: 19.130 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Instrument :
BNA_F
ClientSampleId :
1W-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	14.3	9.8	14.6

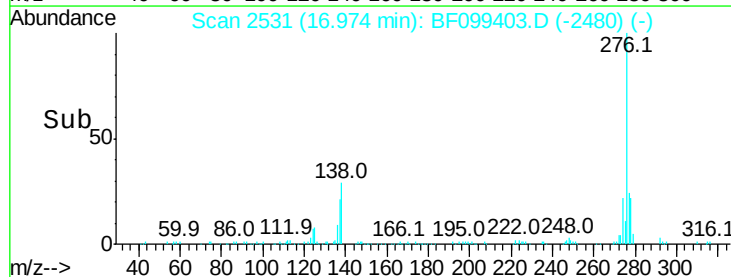
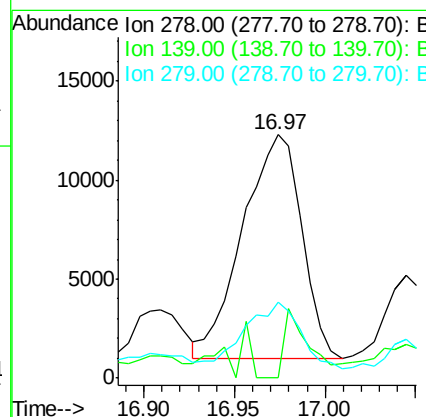
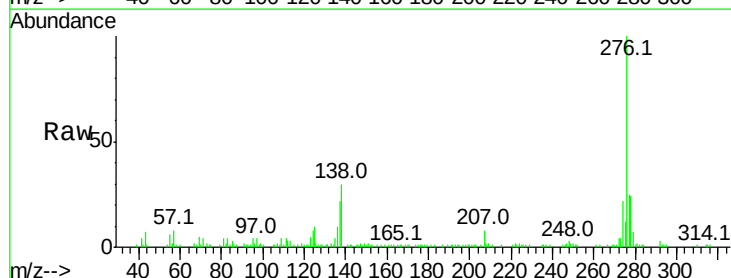
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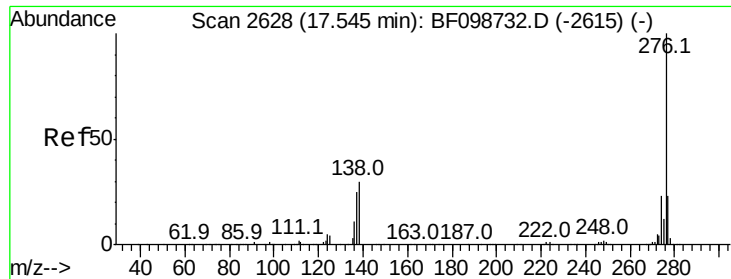
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.075 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF099403.D
Acq: 12 Oct 2017 19:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	31.0	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.042 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF099403.D
 Acq: 12 Oct 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :
 1W-(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	29.5	21.8	32.8

Manual Integrations
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