

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098662.D
 Acq On : 20 Sep 2017 16:12
 Operator : SJ/JU
 Sample : I5285-05 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-5

Manual Integrations
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Quant Time: Sep 21 11:35:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	79265	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	332846	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	147491	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	230095	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	198304	20.00	ng	-0.01
86) Perylene-d12	15.17	264	209160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	11516m	2.15	ng	0.00
7) Phenol-d6	6.29	99	17357	2.55	ng	0.00
23) Nitrobenzene-d5	7.20	82	10771m	1.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.45	330	2749	2.79	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	21514	2.47	ng	-0.02
78) Terphenyl-d14	12.72	244	14177	1.54	ng	-0.02
Target Compounds						
70) Phenanthrene	11.16	178	259224	21.251	ng	98
71) Anthracene	11.21	178	50445	4.028	ng	97
74) Fluoranthene	12.35	202	360685	29.537	ng	96
77) Pyrene	12.57	202	340498	21.766	ng	98
80) Benzo(a)anthracene	13.76	228	192236	16.535	ng	98
82) Chrysene	13.80	228	153805	13.087	ng	96
85) Indeno(1,2,3-cd)pyrene	16.49	276	78766	9.553	ng	# 92
87) Benzo(b)fluoranthene	14.78	252	246703m	18.759	ng	
88) Benzo(k)fluoranthene	14.80	252	65195m	5.310	ng	
89) Benzo(a)pyrene	15.11	252	156380	13.347	ng	97
90) Dibenzo(a,h)anthracene	16.49	278	21101m	2.476	ng	
91) Benzo(a,h,i)perylene	16.90	276	72551m	8.463	ng	

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

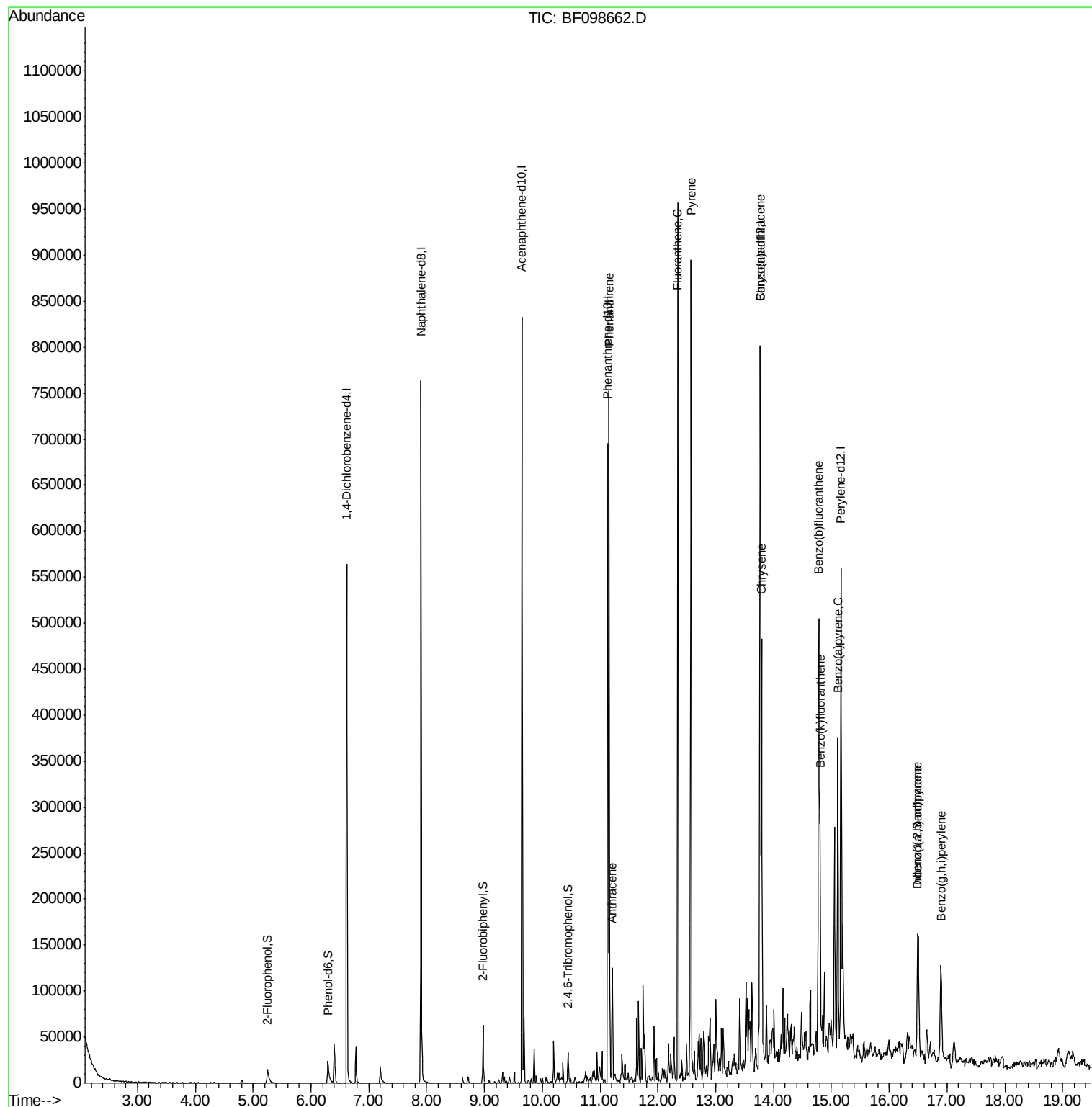
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
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ALS Vial : 10 Sample Multiplier: 1

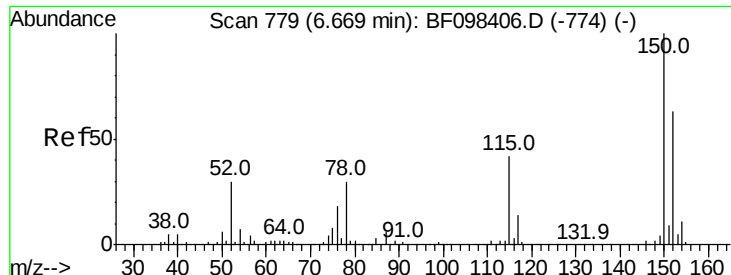
Instrument :
BNA_F
ClientSampleId :
CSTP-5

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Quant Time: Sep 21 11:35:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

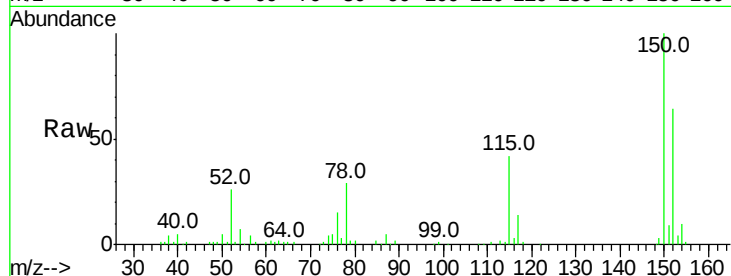
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Instrument :
BNA_F
ClientSampled :
CSTP-5

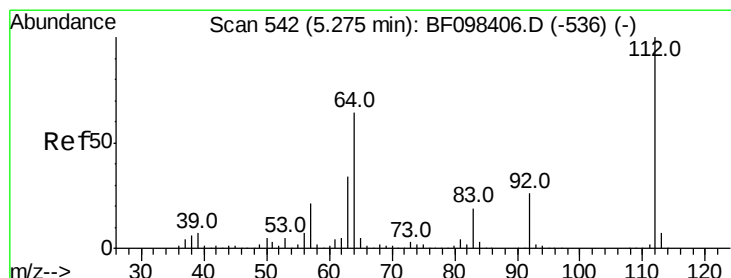
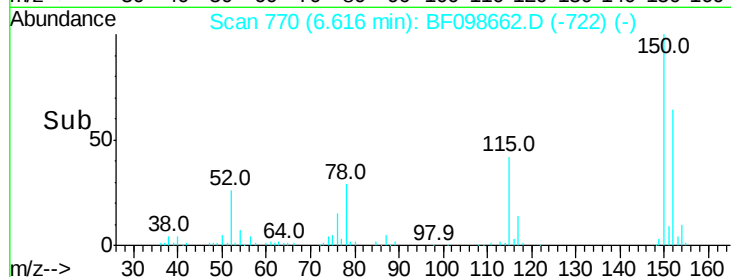
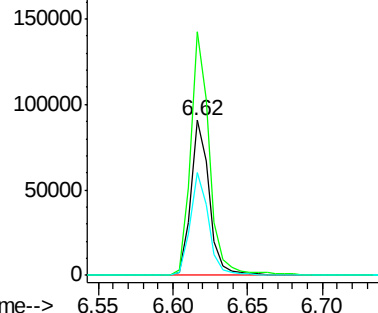
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	66.4	52.2	78.2

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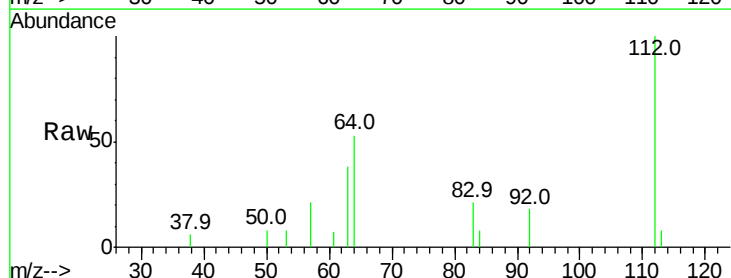
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



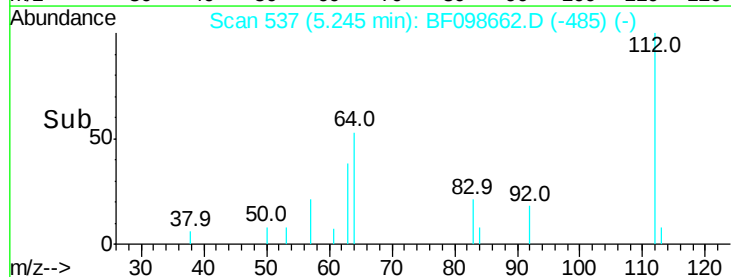
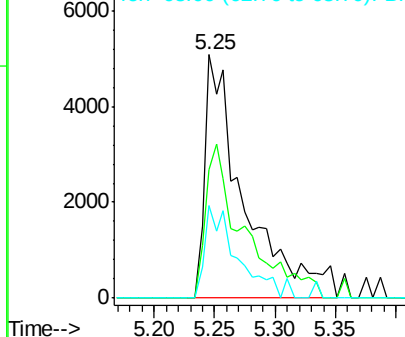
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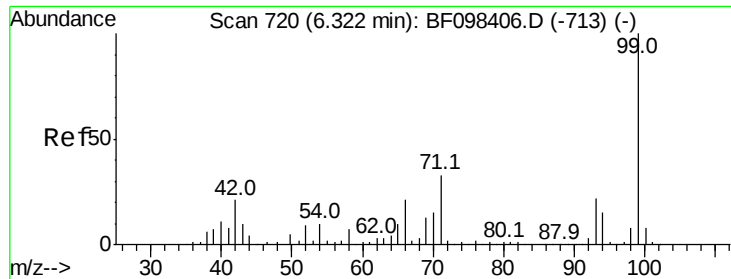
2-Fluorophenol
Concen: 2.148 ng m
RT: 5.25 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.0	69.0
63	37.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.550 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Instrument :

BNA_F

ClientSampled :

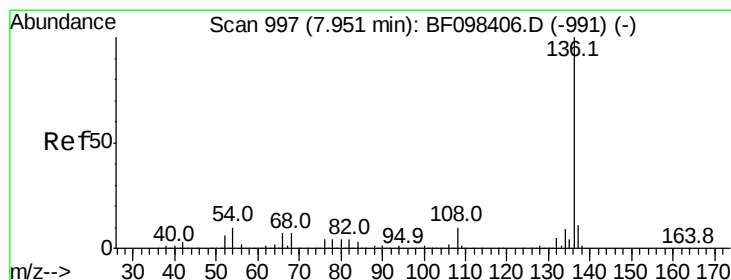
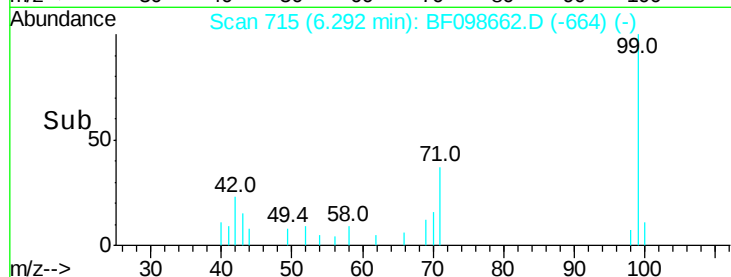
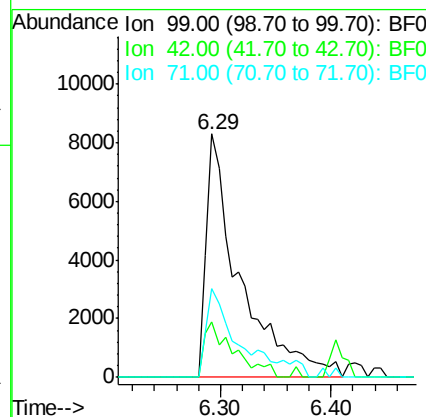
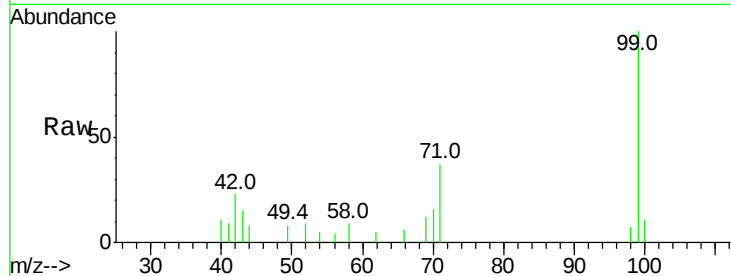
CSTP-5

Tot Ion:	99	Resp:	17357
Ion Ratio	Lower	Upper	
99	100		
42	22.6	13.5	20.3#
71	36.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

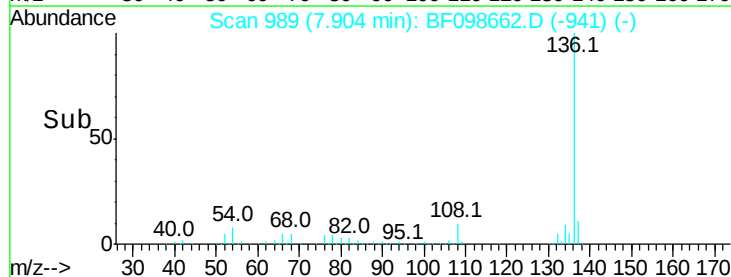
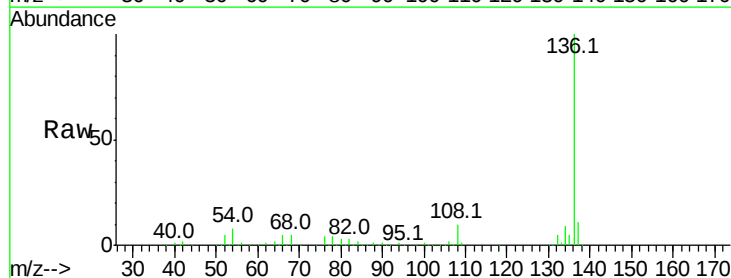
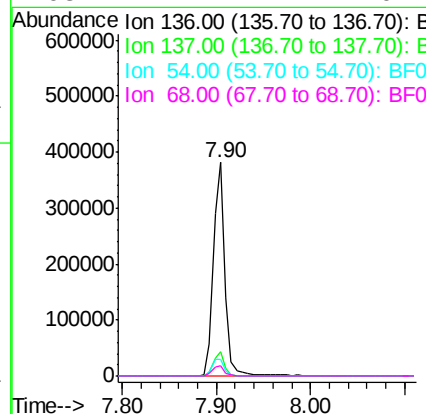
RT: 7.90 min Scan# 989

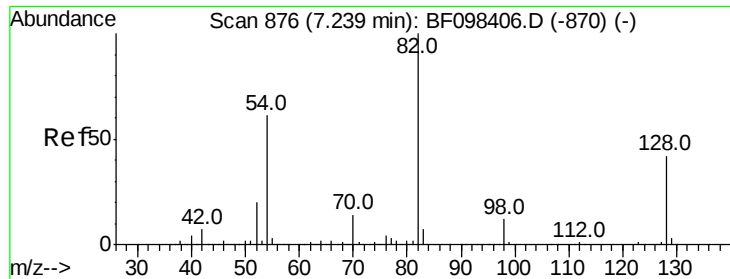
Delta R.T. -0.02 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Tgt Ion:	136	Resp:	332846
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	8.0	4.9	7.3#
68	4.7	4.1	6.1





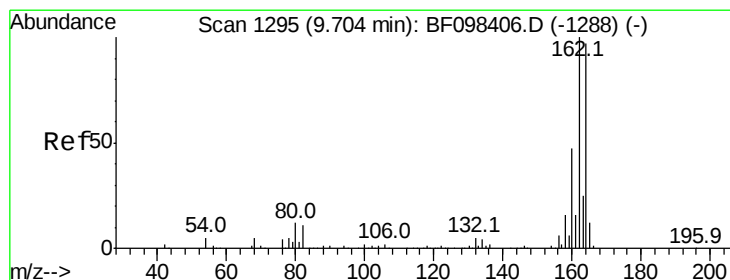
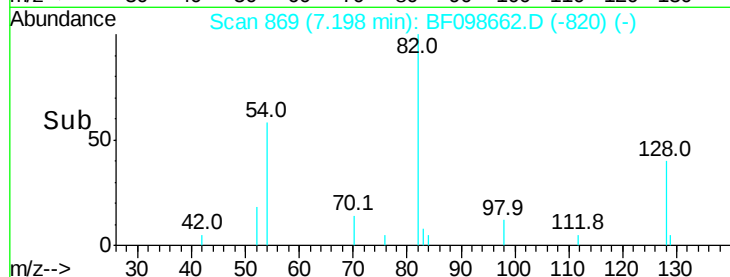
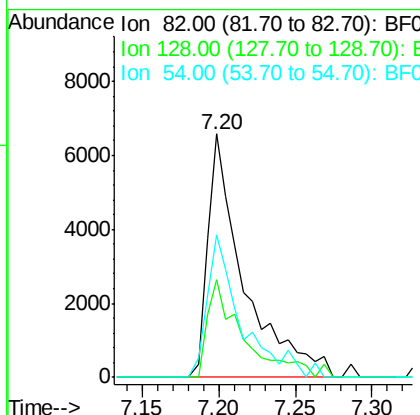
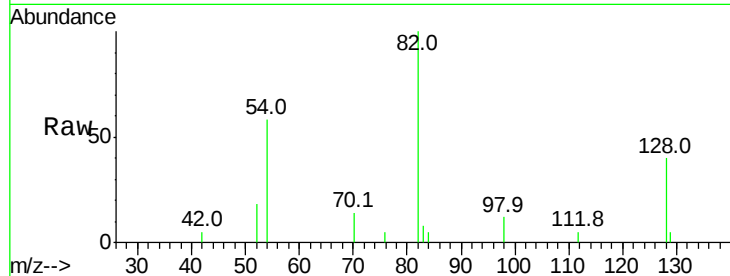
#23
Nitrobenzene-d5
Concen: 1.804 ng/ml
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Instrument :
BNA_F
ClientSampled :
CSTP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.0	51.0
54	58.4	42.2	63.2

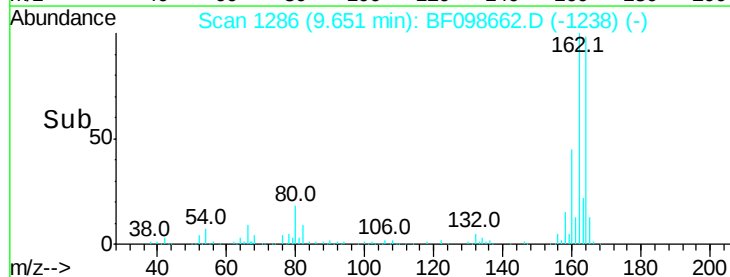
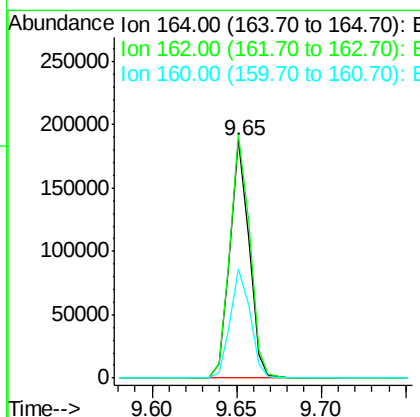
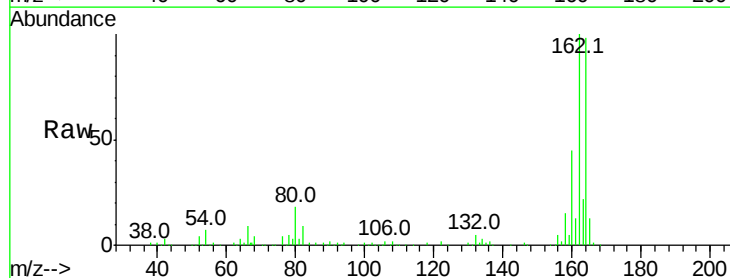
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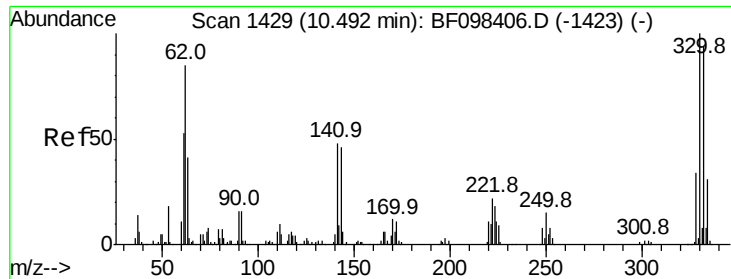
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	46.2	36.2	54.2





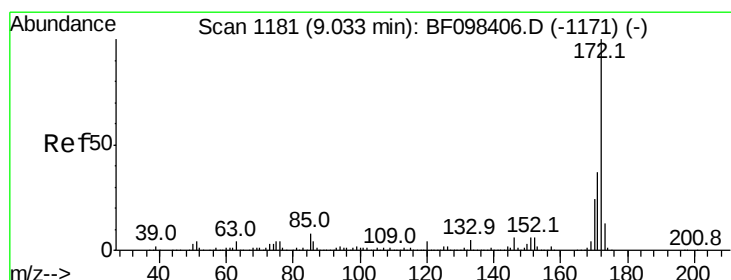
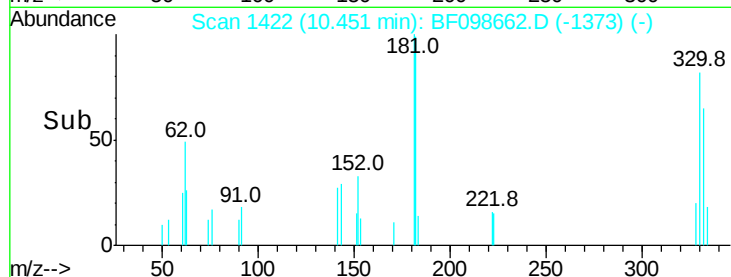
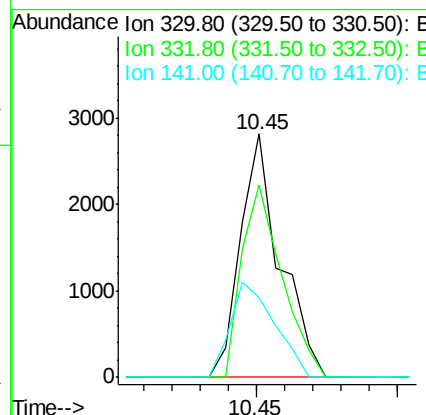
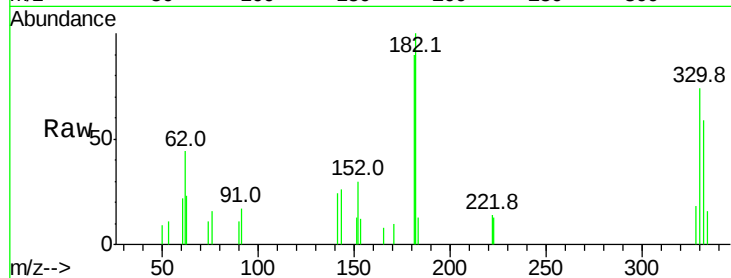
#41
 2,4,6-Tribromophenol
 Concen: 2.793 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Instrument :
 BNA_F
 ClientSampled :
 CSTP-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	80.1	76.6	115.0
141	43.2	31.4	47.2

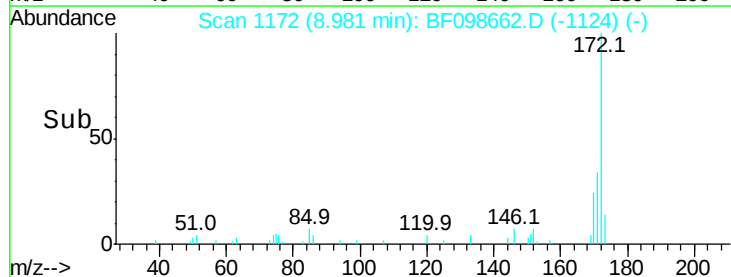
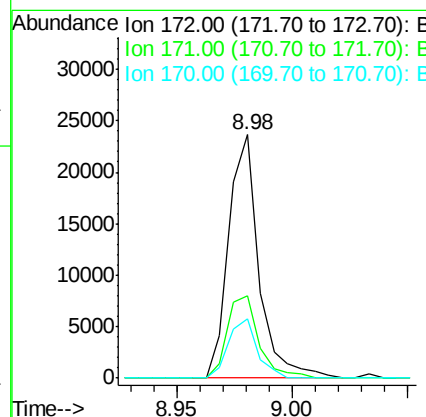
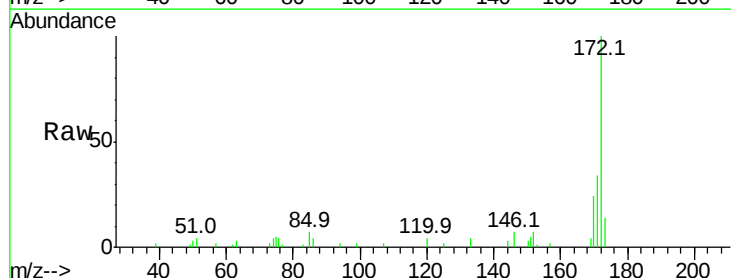
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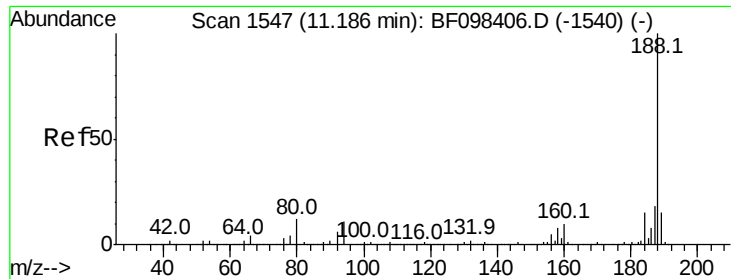
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#44
 2-Fluorobiphenyl
 Concen: 2.472 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.6	44.4
170	24.5	19.8	29.8





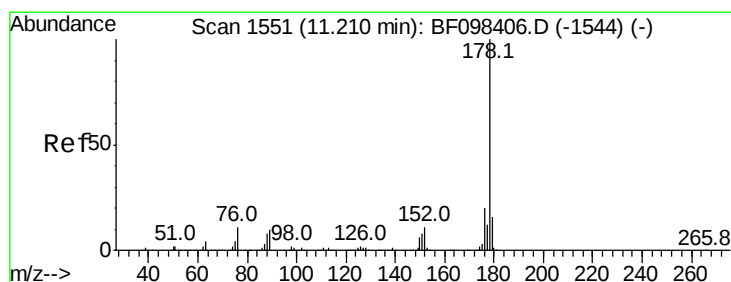
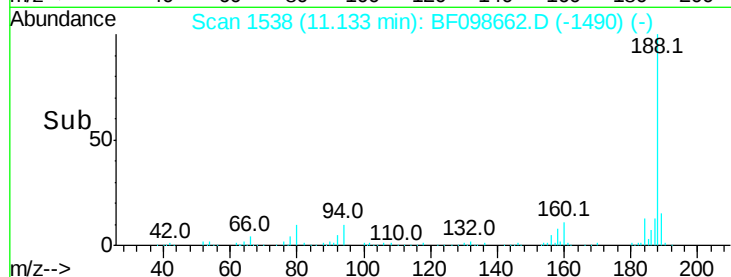
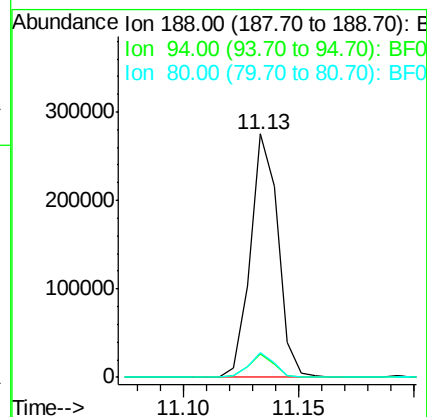
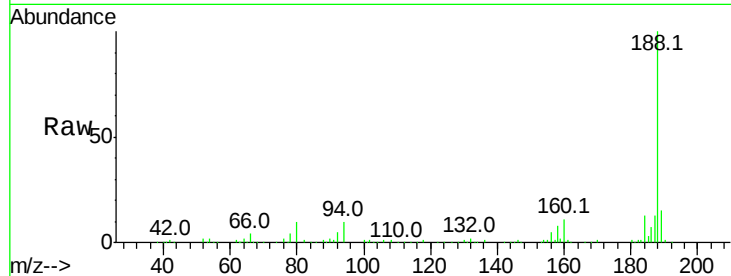
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Instrument :
BNA_F
ClientSampled :
CSTP-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	230095		
94	9.7		9.4	14.2
80	10.3		10.2	15.2

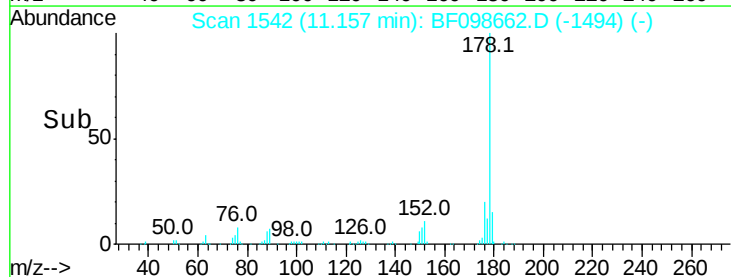
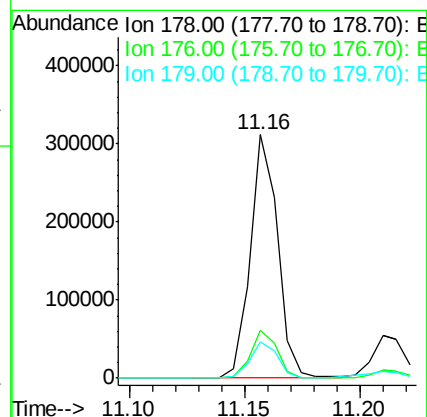
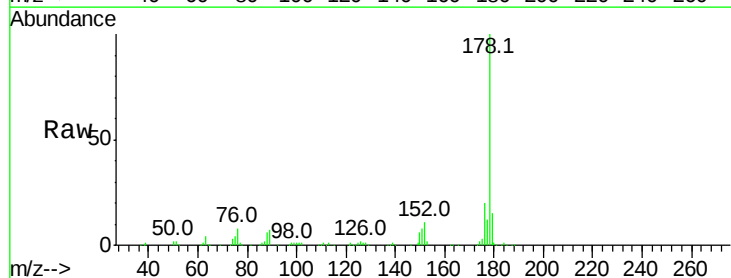
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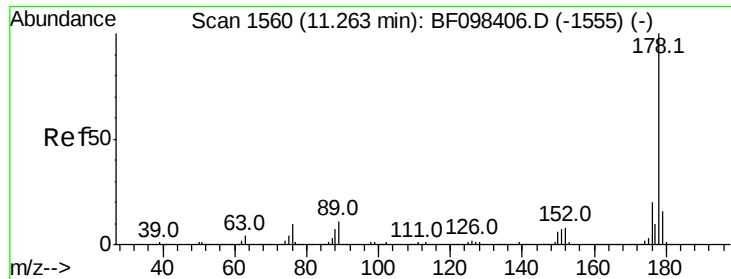
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#70
Phenanthrene
Concen: 21.251 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	259224		
176	19.7		16.2	24.4
179	15.0		12.6	19.0





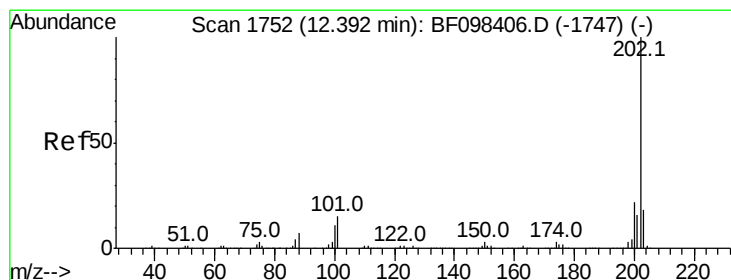
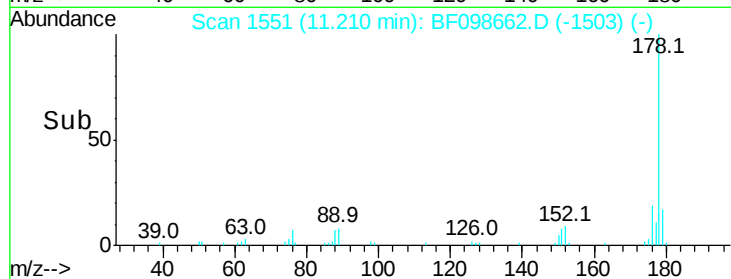
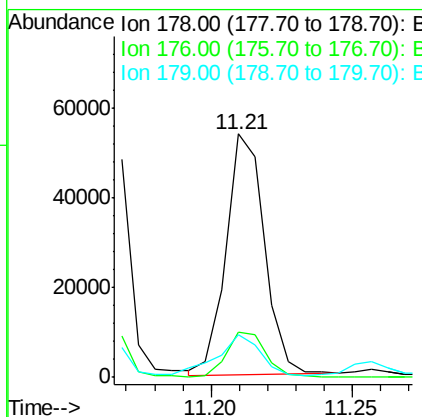
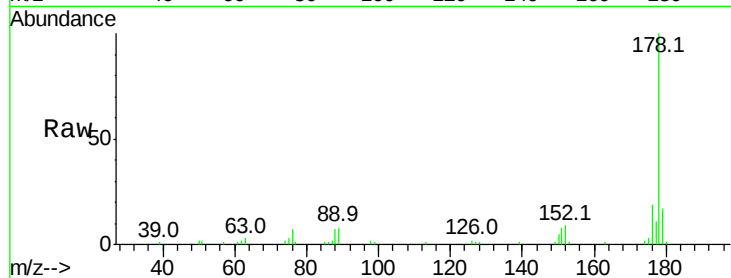
#71
 Anthracene
 Concen: 4.028 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	17.4	12.7	19.1

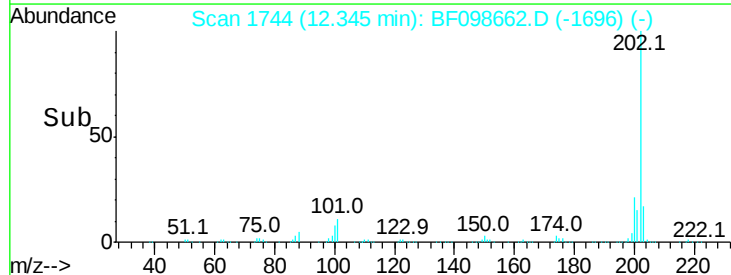
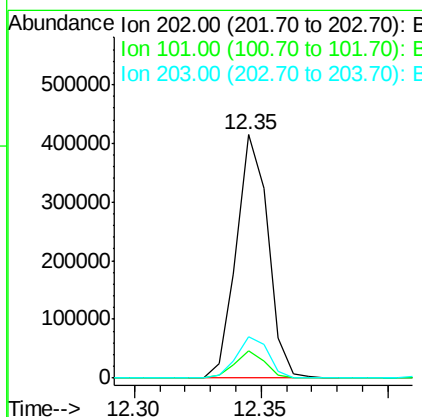
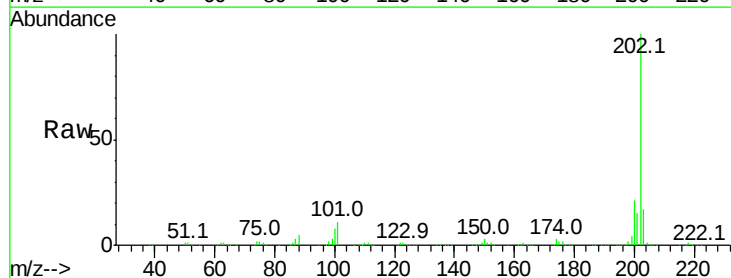
Manual Integrations
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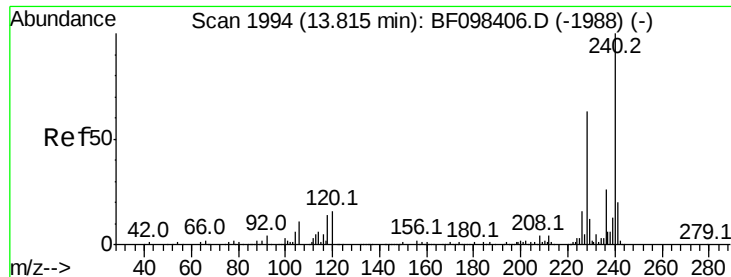
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#74
 Fluoranthene
 Concen: 29.537 ng
 RT: 12.35 min Scan# 1744
 Delta R.T. -0.02 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Instrument :

BNA_F

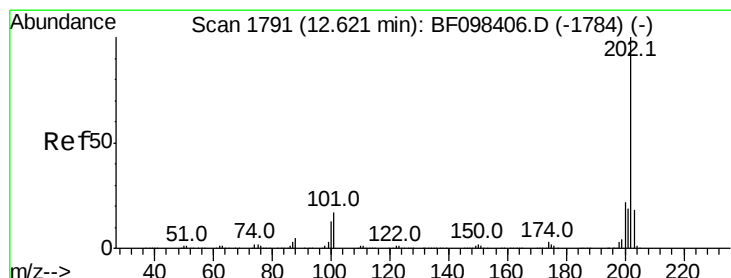
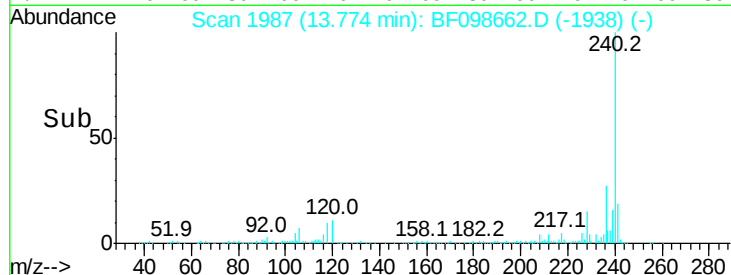
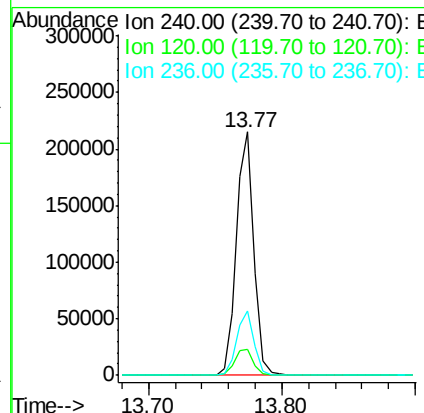
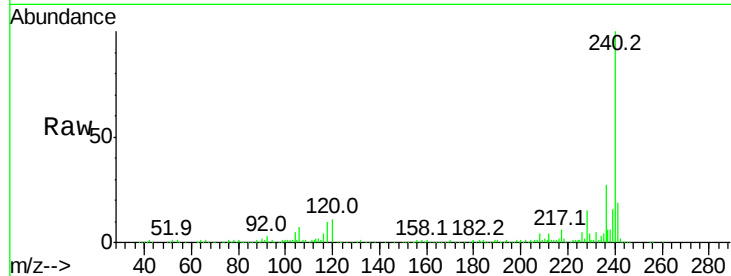
ClientSampled :

CSTP-5

Tot Ion	Ratio	Resp	Lower	Upper
240	100	198304		
120	10.7	5.8	8.8#	
236	26.6	20.5	30.7	

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#77

Pyrene

Concen: 21.766 ng

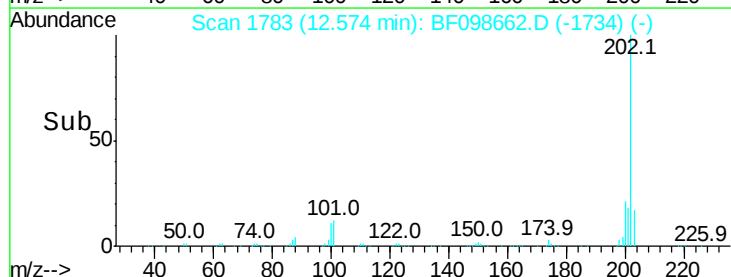
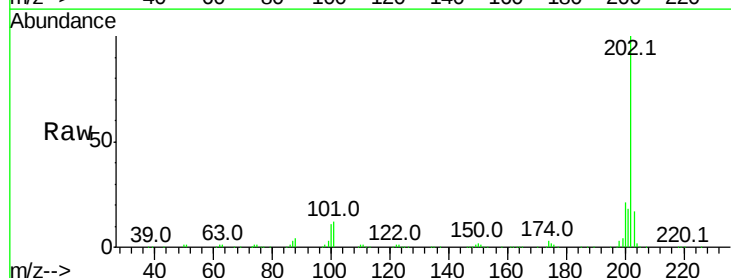
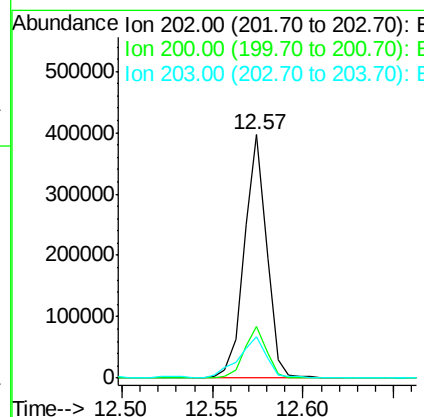
RT: 12.57 min Scan# 1783

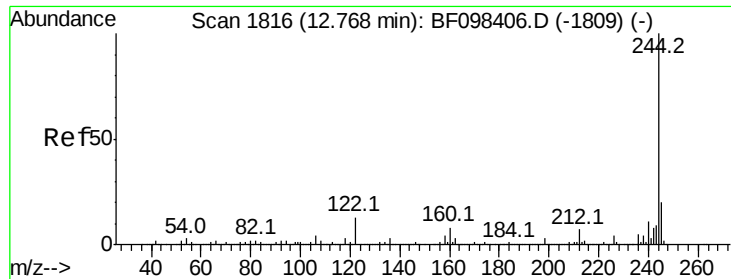
Delta R.T. -0.01 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	340498		
200	21.0	17.6	26.4	
203	17.0	14.4	21.6	





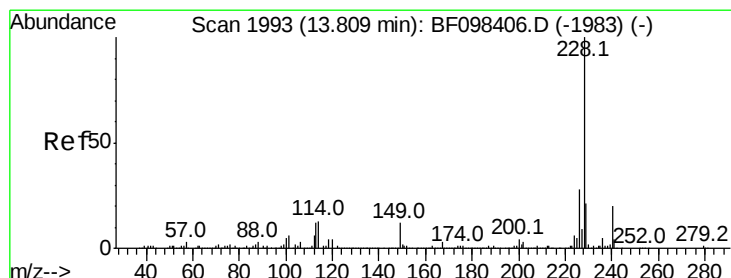
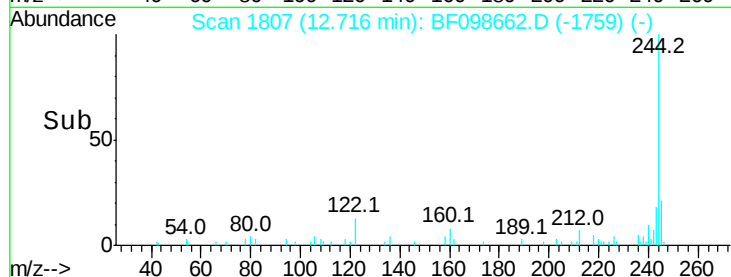
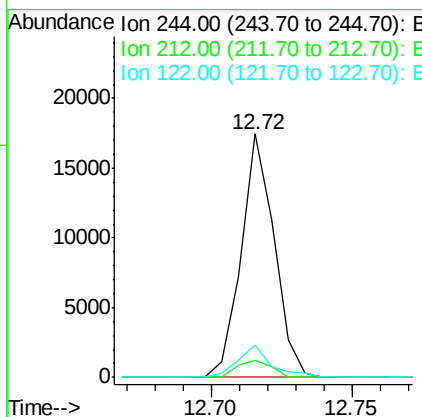
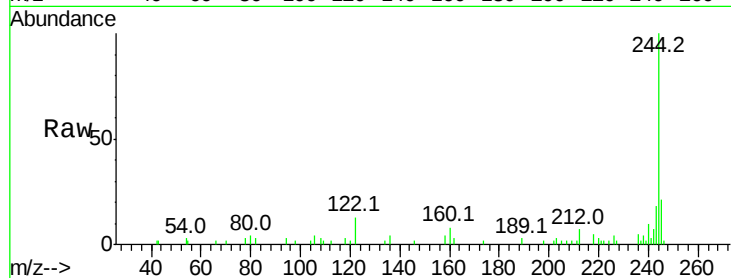
#78
 Terphenyl-d14
 Concen: 1.543 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.4	10.3	15.5

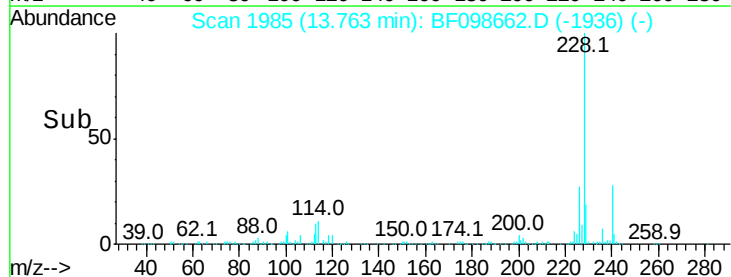
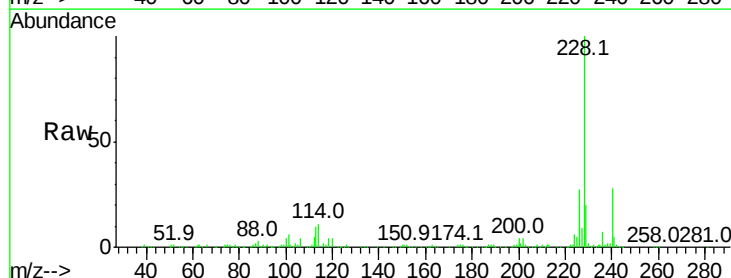
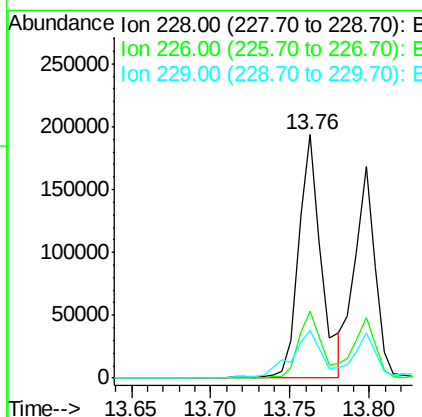
Manual Integrations
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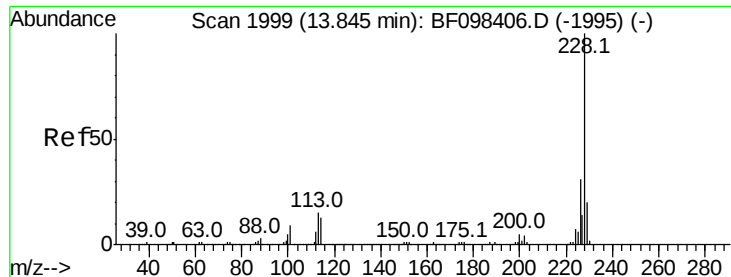
Sohil
 9/22/2017 3:31:37 PM



#80
 Benzo(a)anthracene
 Concen: 16.535 ng
 RT: 13.76 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BF098662.D
 Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.7	16.3	24.5





#82

Chrysene

Concen: 13.087 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Instrument :

BNA_F

ClientSampled :

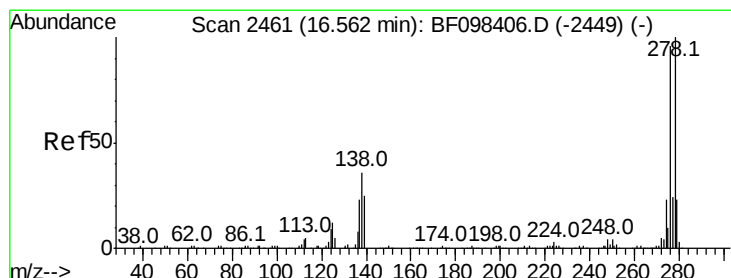
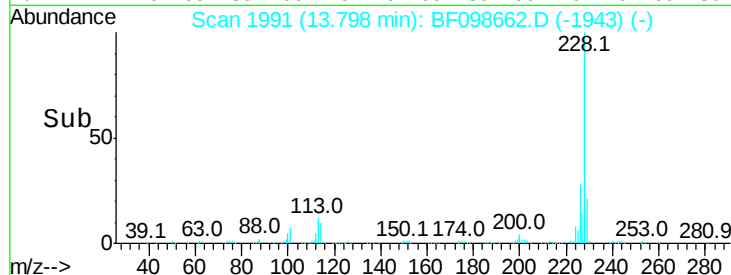
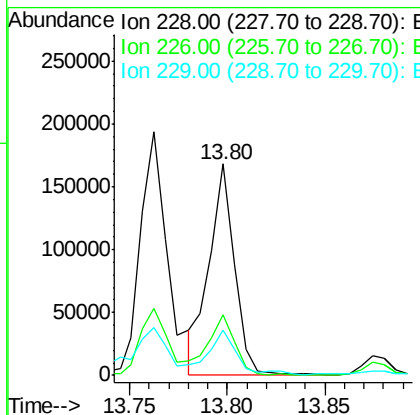
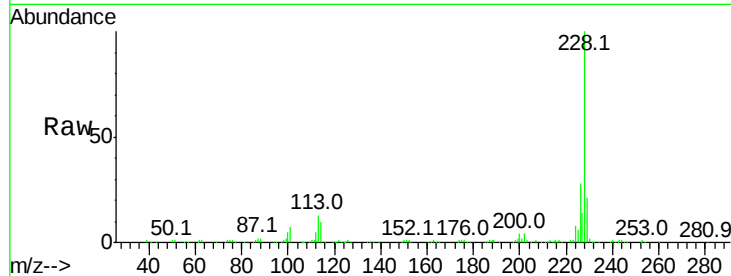
CSTP-5

Tot Ion:	228	Resp:	153805
Ion Ratio	Lower	Upper	
228	100		
226	28.4	24.9	37.3
229	21.3	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.553 ng

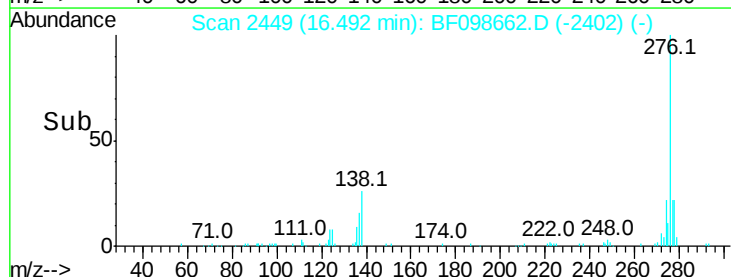
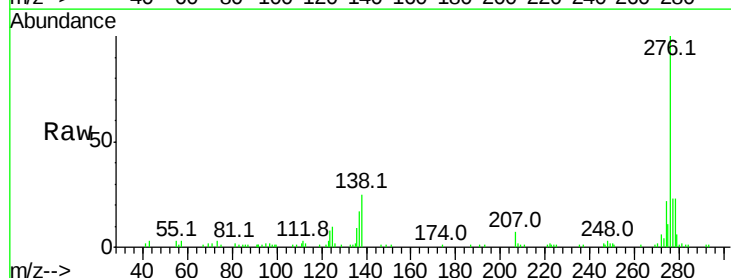
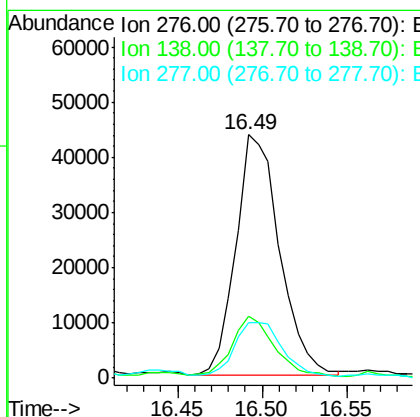
RT: 16.49 min Scan# 2449

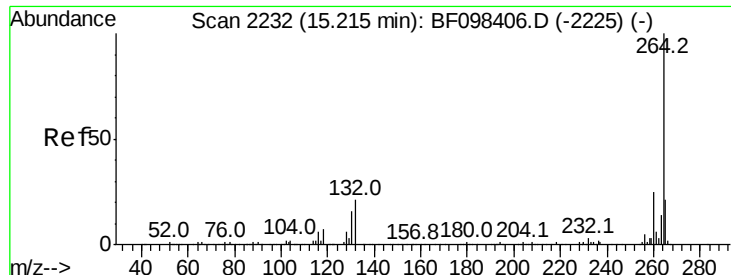
Delta R.T. -0.02 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Tgt Ion:	276	Resp:	78766
Ion Ratio	Lower	Upper	
276	100		
138	26.3	27.8	41.6#
277	25.3	20.2	30.4





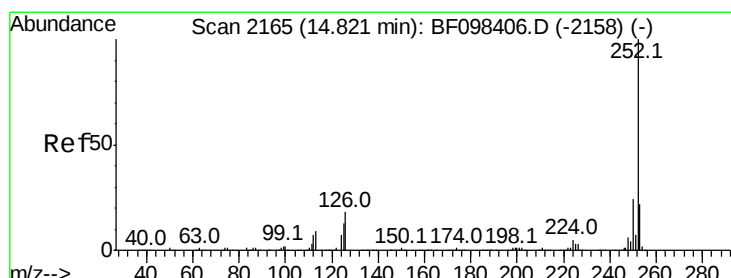
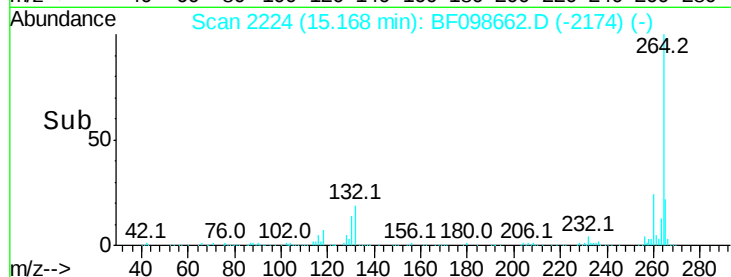
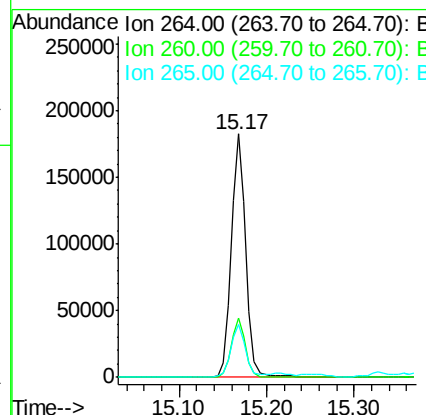
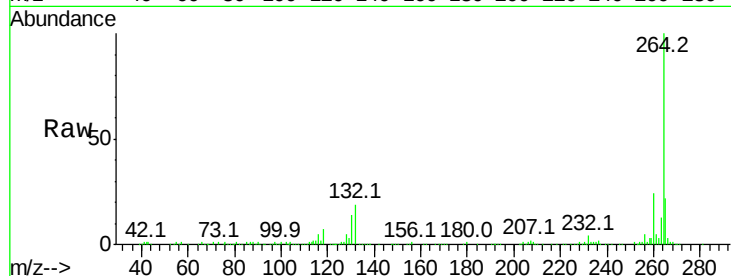
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Instrument :
BNA_F
ClientSampled :
CSTP-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.6	17.2	25.8

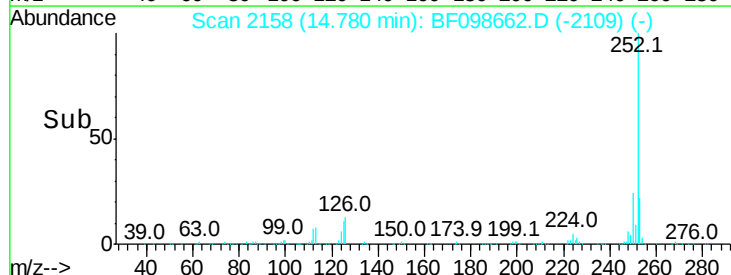
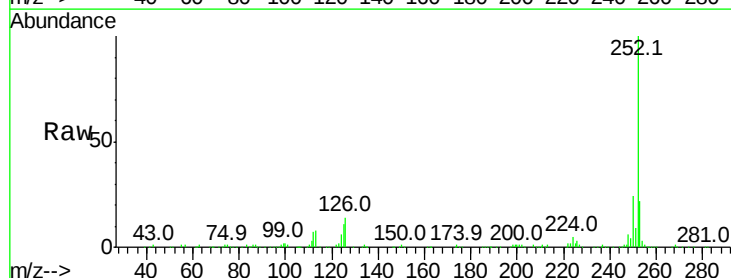
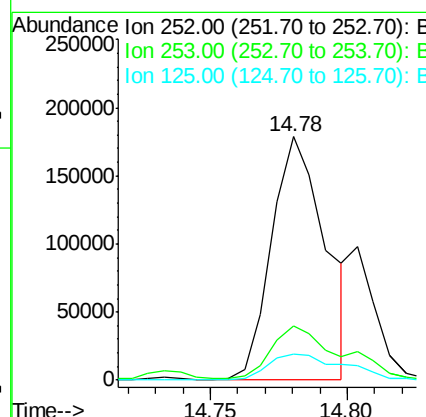
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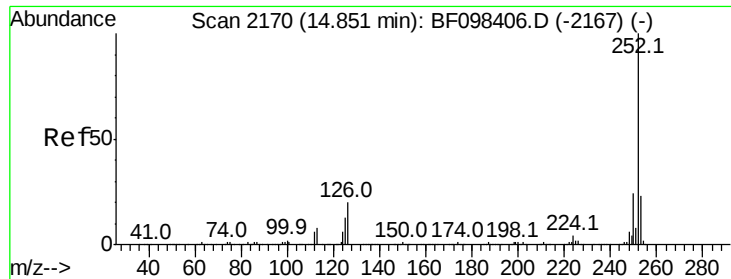
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#87
Benzo(b)fluoranthene
Concen: 18.759 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF098662.D
Acq: 20 Sep 2017 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.9	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 5.310 ng/mL

RT: 14.80 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Instrument :

BNA_F

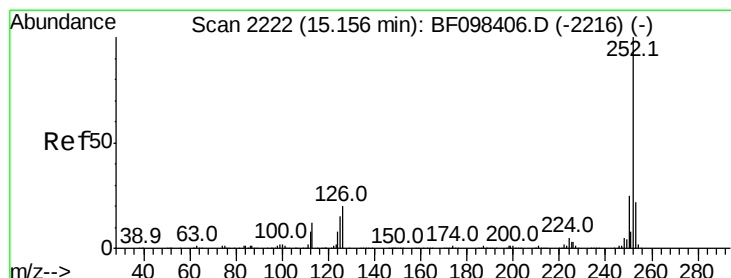
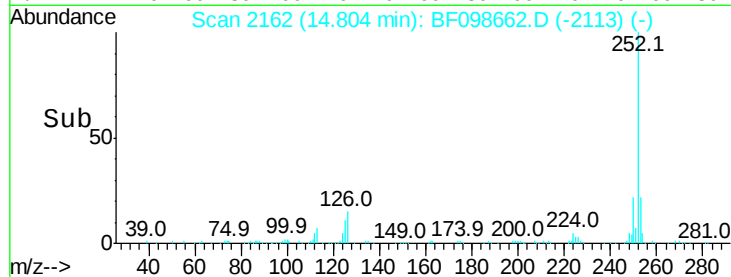
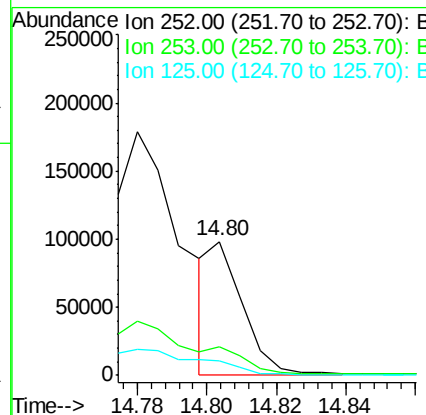
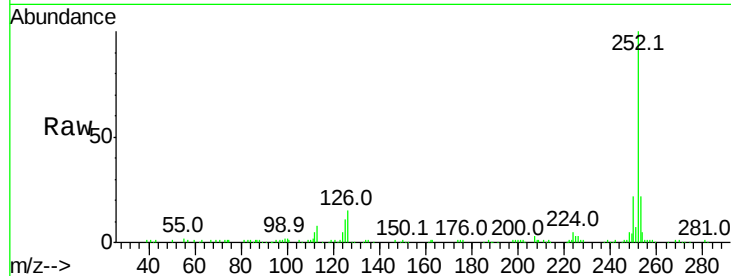
ClientSampled :

CSTP-5

Tot Ion:	252	Resp:	65195
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.4	27.6
125	10.9	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 13.347 ng/mL

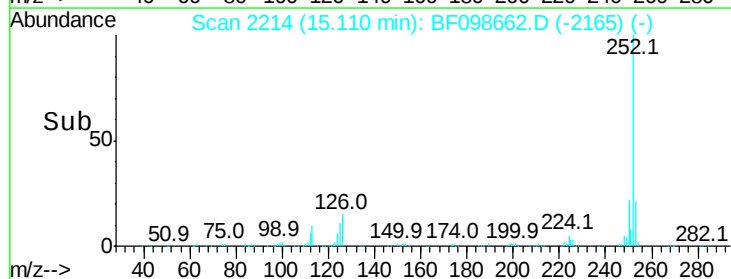
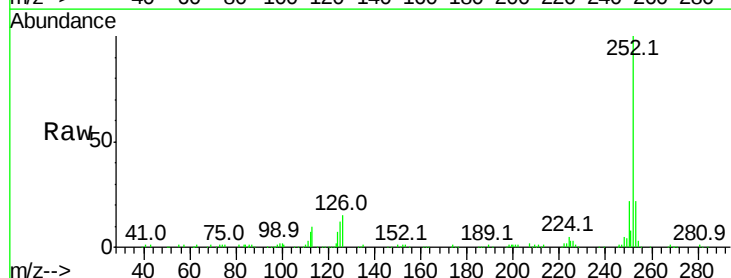
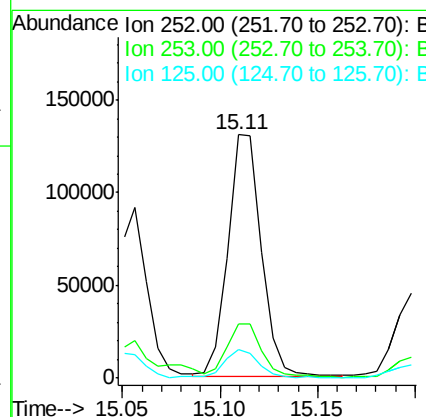
RT: 15.11 min Scan# 2214

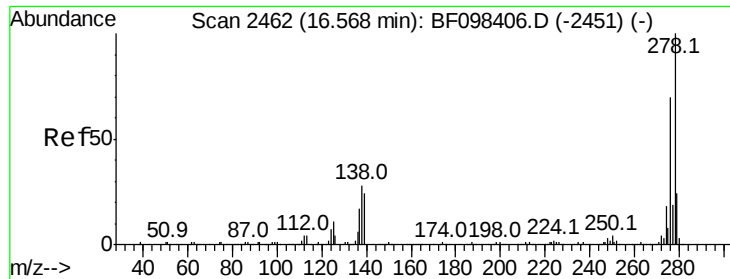
Delta R.T. -0.01 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Tgt Ion:	252	Resp:	156380
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	11.6	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.476 ng m

RT: 16.49 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Instrument :

BNA_F

ClientSampled :

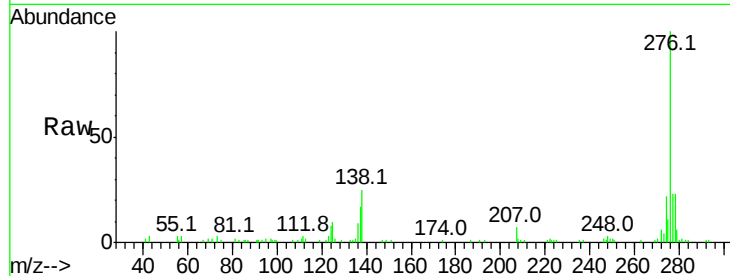
CSTP-5

Tot Ion:	278	Resp:	21101
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	27.1	19.3	28.9

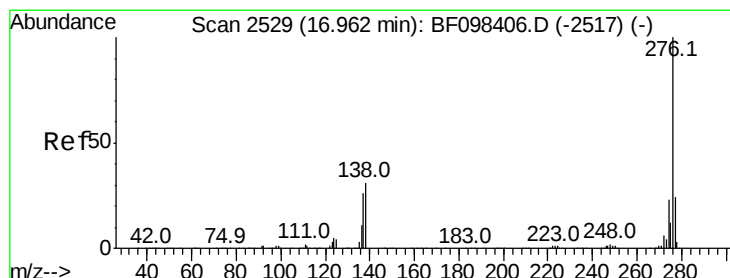
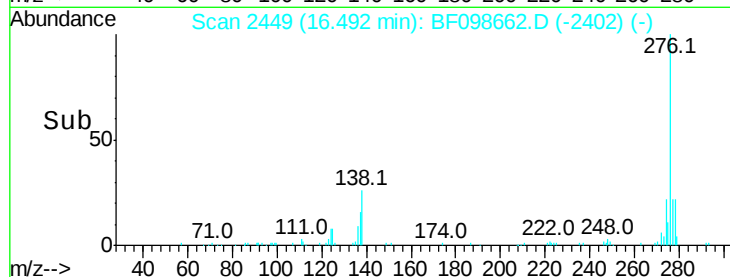
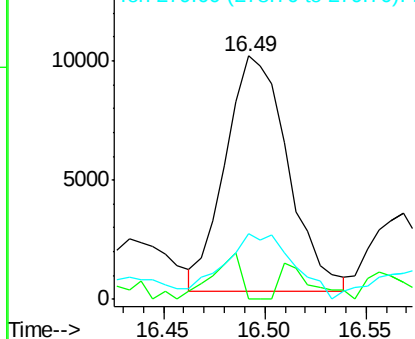
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.463 ng m

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF098662.D

Acq: 20 Sep 2017 16:12

Tgt Ion:	276	Resp:	72551
Ion Ratio	Lower	Upper	
276	100		
277	21.7	18.6	28.0
138	24.6	25.4	38.0#

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

