

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098775.D
 Acq On : 25 Sep 2017 11:27
 Operator : SJ/JU
 Sample : I5360-09 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Manual Integrations
 APPROVED

Sohil
 9/26/2017 4:58:19 PM

Quant Time: Sep 26 10:26:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	155126	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	635520	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	261652	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	368253	20.00	ng	0.00
75) Chrysene-d12	14.07	240	287756	20.00	ng	-0.01
86) Perylene-d12	15.57	264	274309	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	215783	22.14	ng	-0.02
7) Phenol-d6	6.53	99	257109	21.39	ng	-0.02
23) Nitrobenzene-d5	7.47	82	151572	15.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	36824	17.20	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	290440	18.53	ng	-0.01
78) Terphenyl-d14	13.02	244	166099	13.13	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	110748	3.710	ng	98
70) Phenanthrene	11.46	178	143843	7.297	ng	97
71) Anthracene	11.51	178	43600	2.162	ng	98
74) Fluoranthene	12.65	202	199542	9.997	ng	97
77) Pyrene	12.88	202	207361	9.450	ng	98
80) Benzo(a)anthracene	14.06	228	108969	6.254	ng	96
82) Chrysene	14.10	228	115176	6.943	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	47371	3.570	ng	97
87) Benzo(b)fluoranthene	15.13	252	155169m	9.200	ng	
88) Benzo(k)fluoranthene	15.15	252	47103m	2.828	ng	
89) Benzo(a)pyrene	15.50	252	92586	5.980	ng	# 91
91) Benzo(a,h,i)perylene	17.52	276	45445	3.711	ng	# 90

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

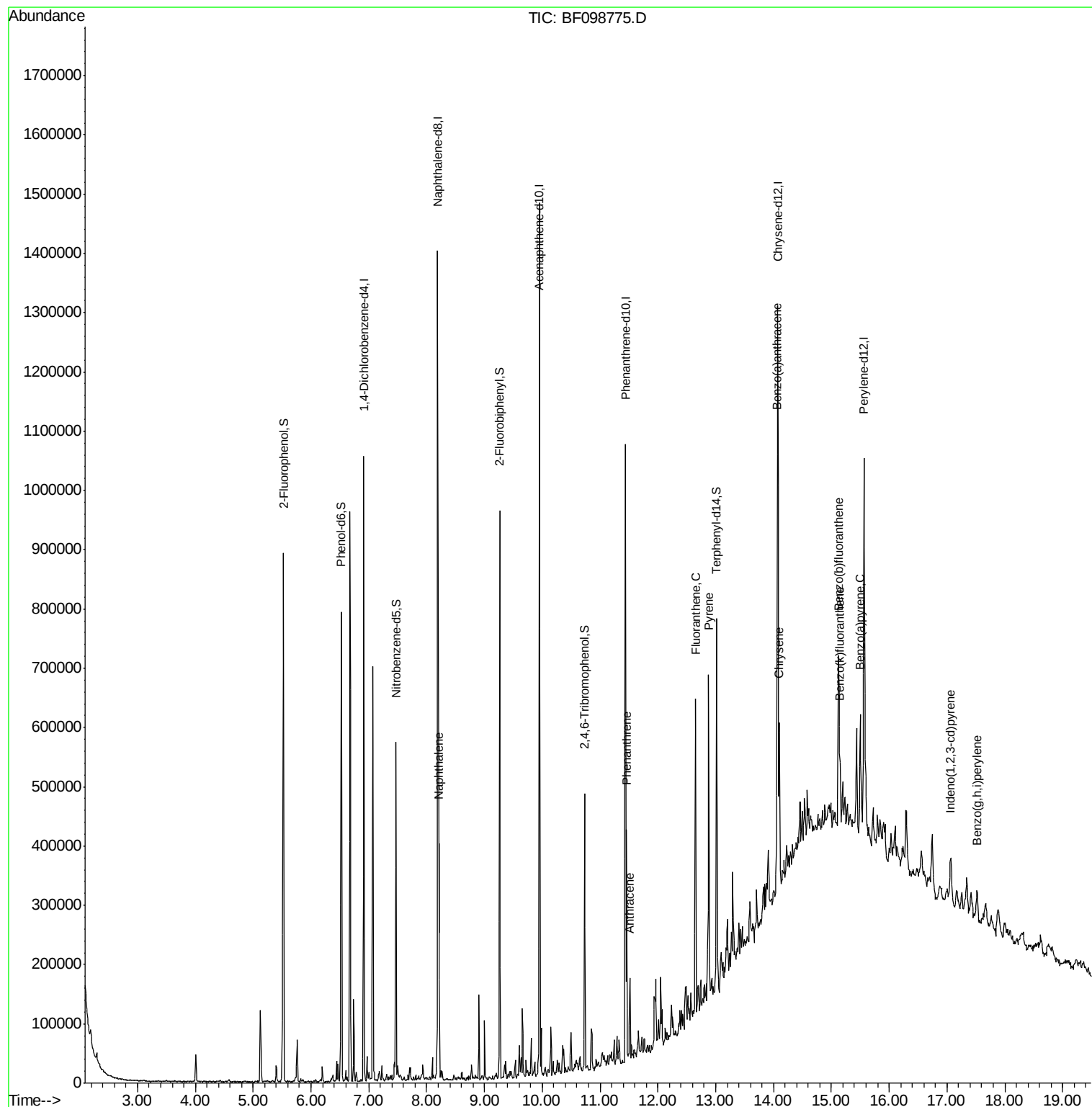
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
Data File : BF098775.D
Acq On : 25 Sep 2017 11:27
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

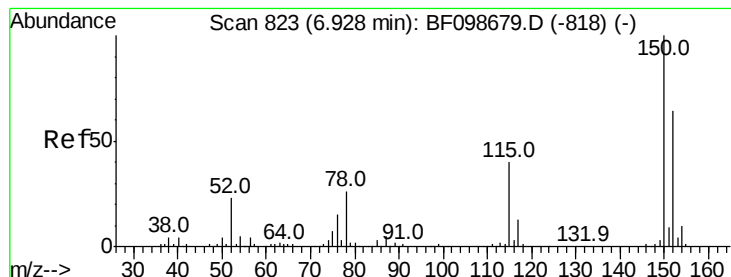
Instrument :
BNA_F
ClientSampled :
SP-1-E-COMP

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Quant Time: Sep 26 10:26:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

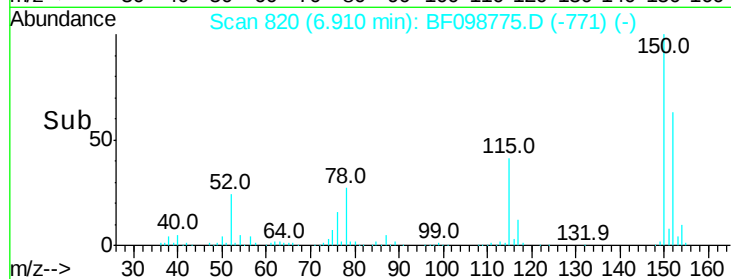
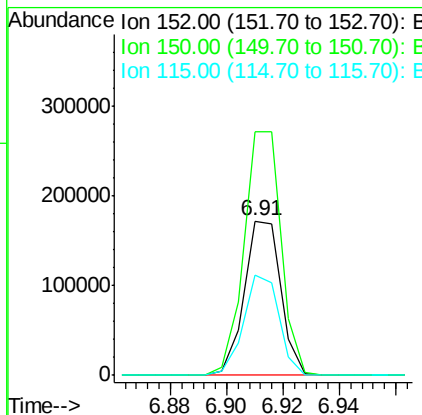
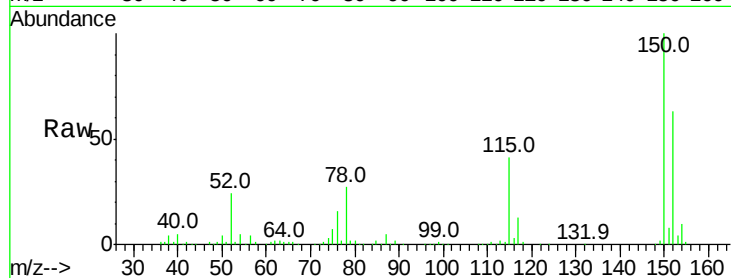
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	64.6	50.1	75.1

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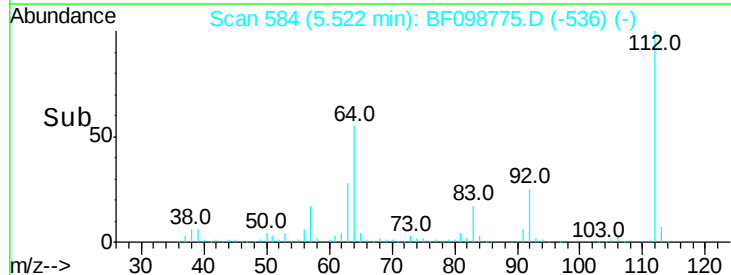
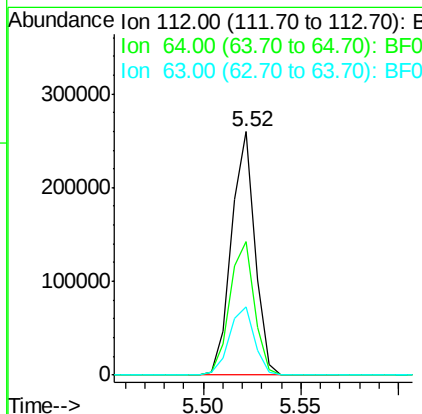
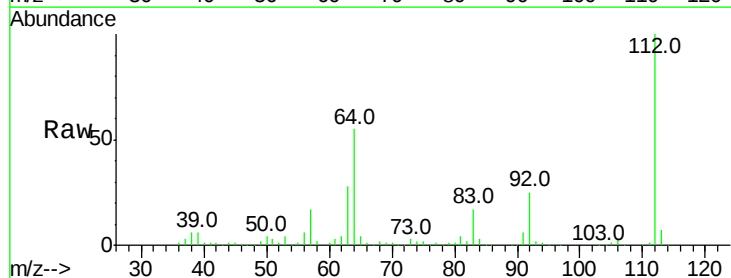
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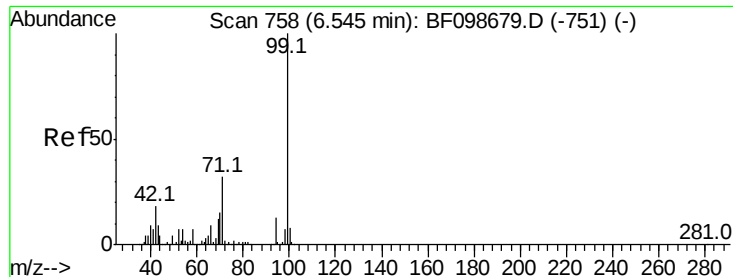


#5

2-Fluorophenol
Concen: 22.144 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 21.388 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Instrument :

BNA_F

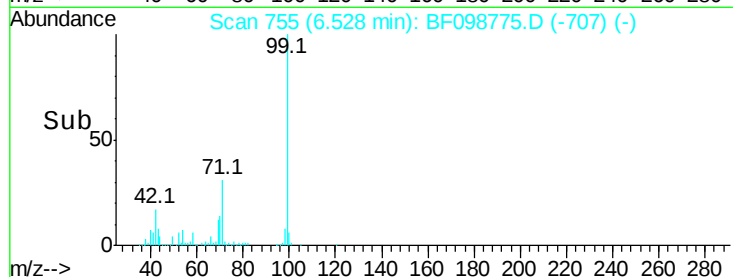
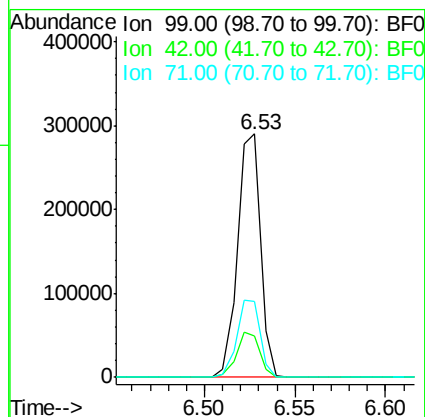
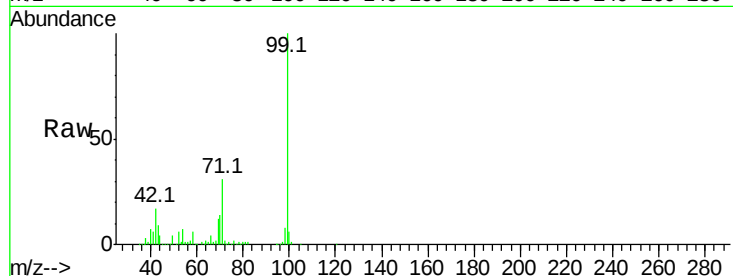
ClientSampleId :

SP-1-E-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		257109		
42	16.9	14.5	21.7		
71	31.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

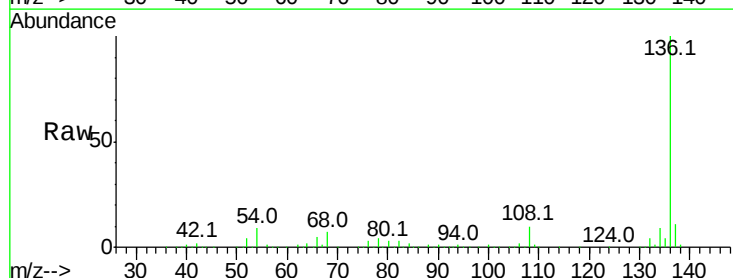
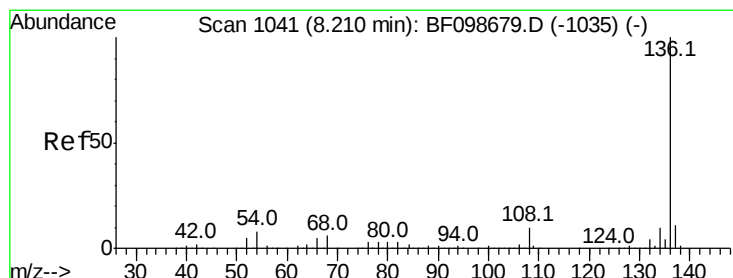
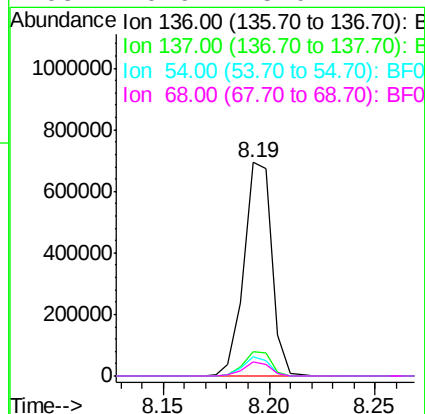
RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		635520		
137	11.3	8.9	13.3		
54	8.8	6.6	9.8		
68	6.6	5.0	7.4		





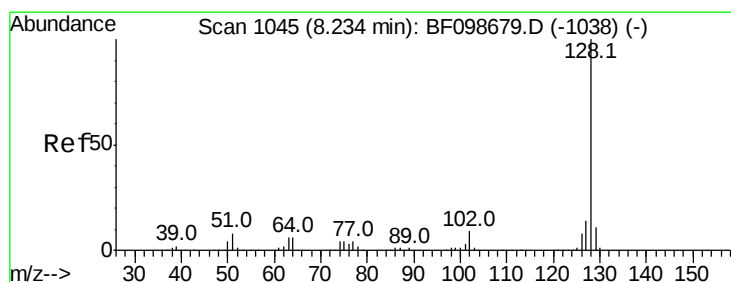
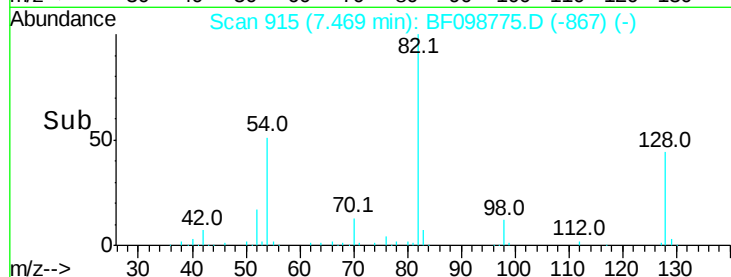
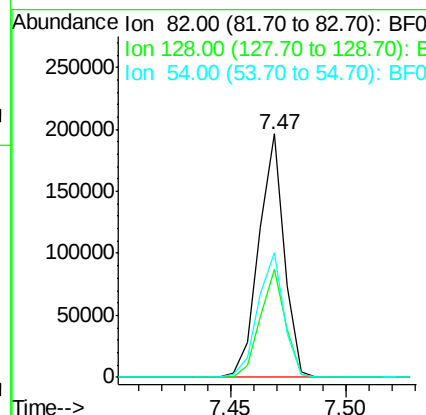
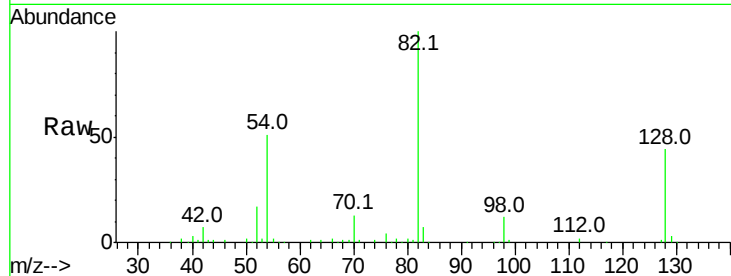
#23
Nitrobenzene-d5
Concen: 15.295 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Instrument :
BNA_F
ClientSampled :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	51.3	41.4	62.2

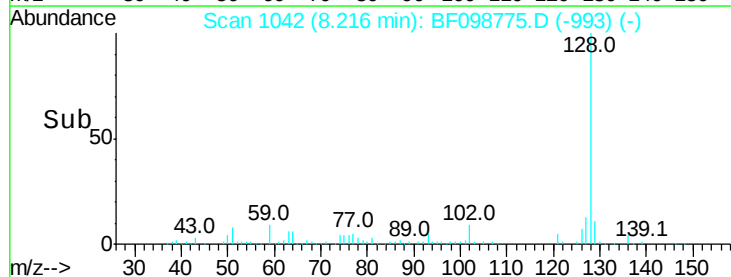
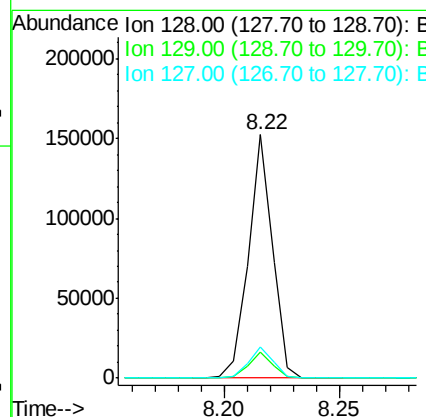
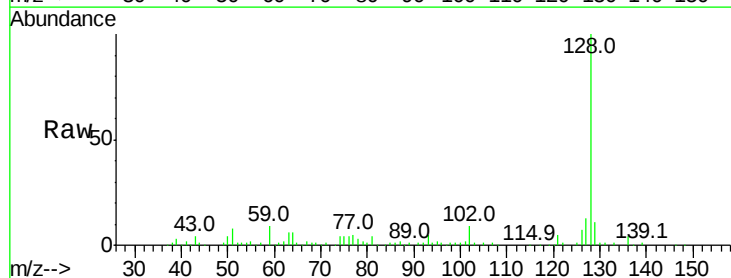
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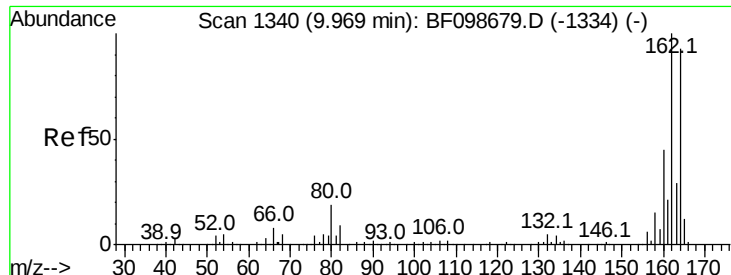
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#31
Naphthalene
Concen: 3.710 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.6	10.9	16.3





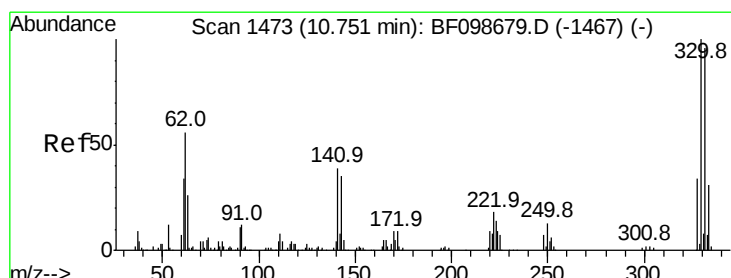
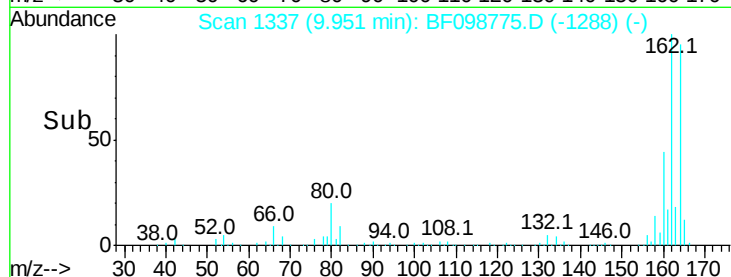
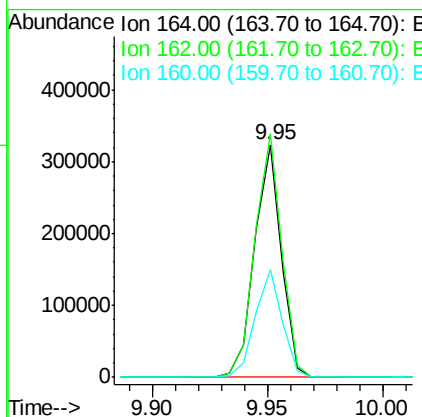
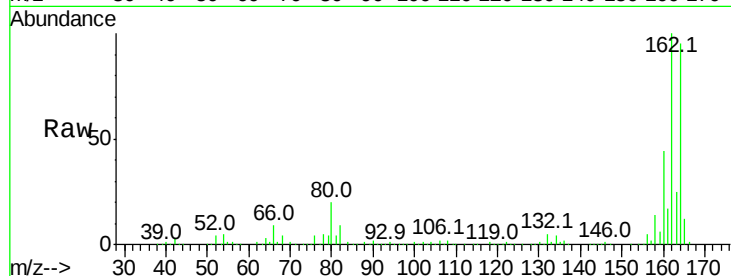
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	261652		
162	104.7	86.1	129.1	
160	46.2	38.3	57.5	

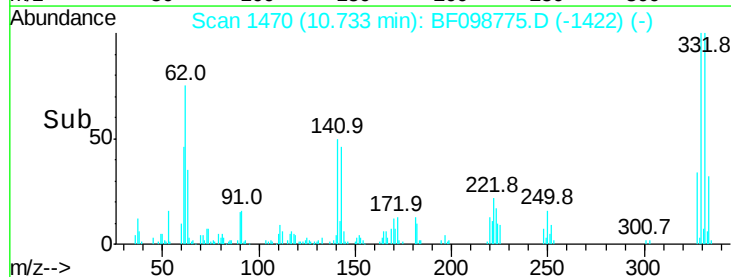
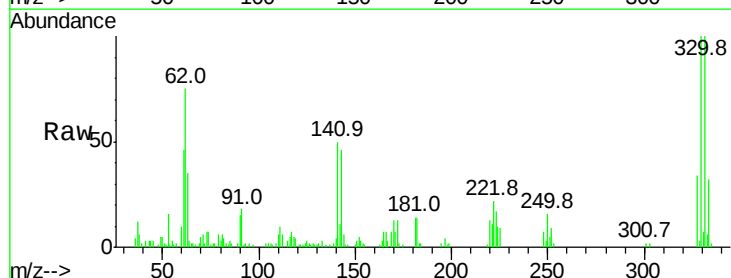
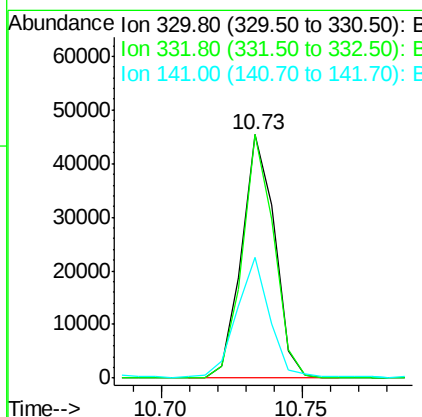
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#41
 2,4,6-Tribromophenol
 Concen: 17.199 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	36824		
332	95.5	77.0	115.6	
141	51.8	29.9	44.9#	





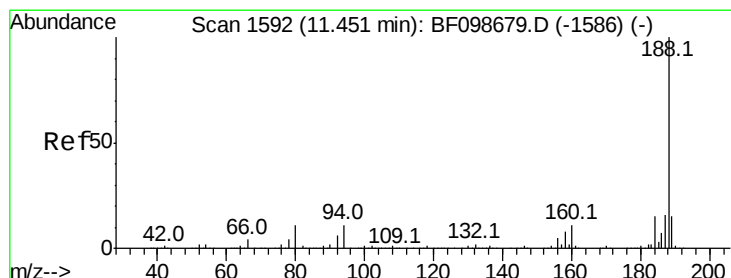
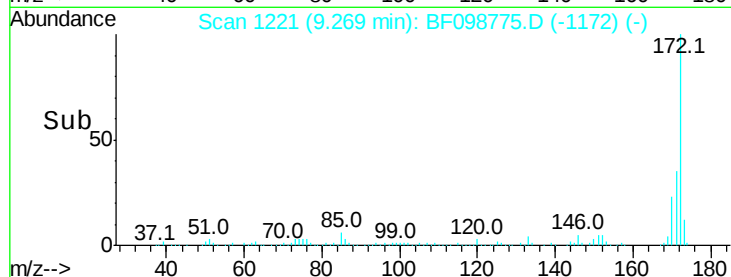
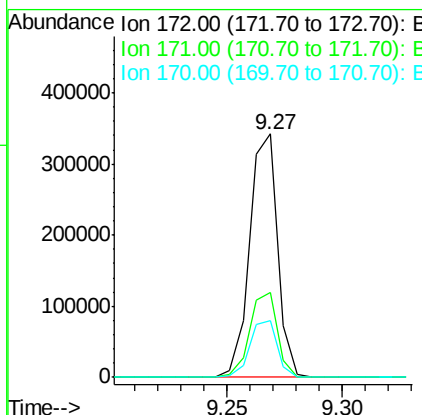
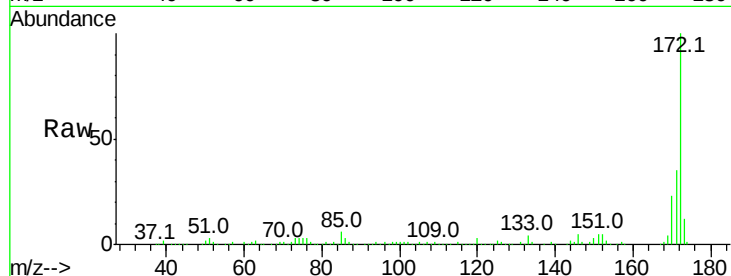
#44
 2-Fluorobiphenyl
 Concen: 18.531 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Tot Ion:	172	Resp:	290440
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.2	19.6	29.4

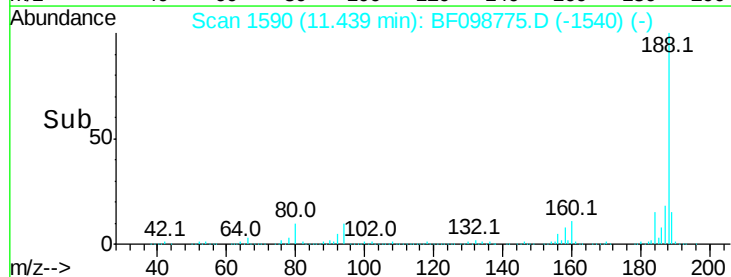
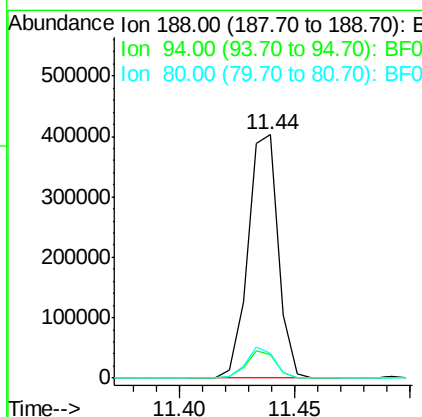
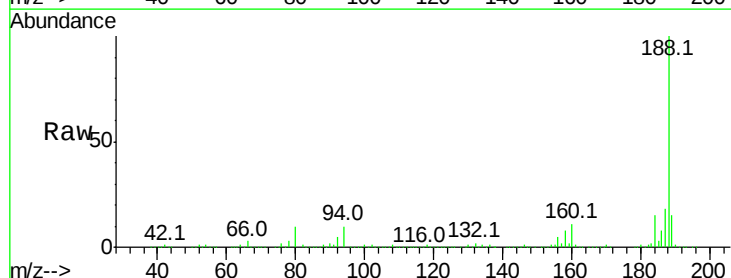
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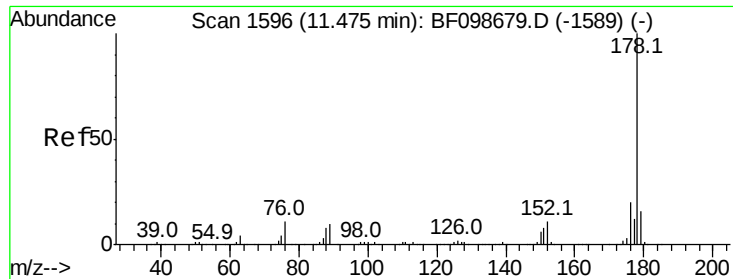
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Tgt Ion:	188	Resp:	368253
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8





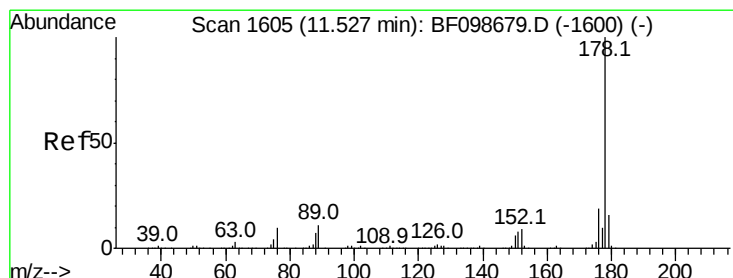
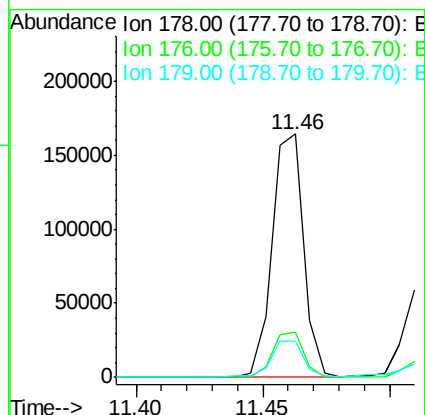
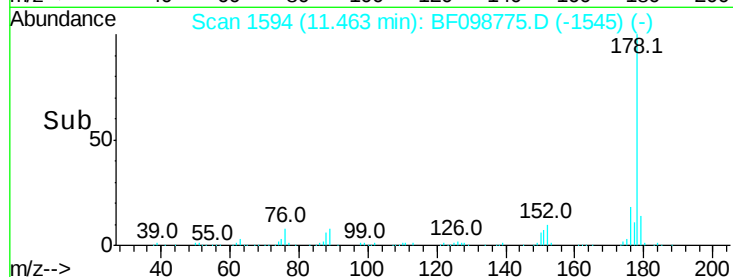
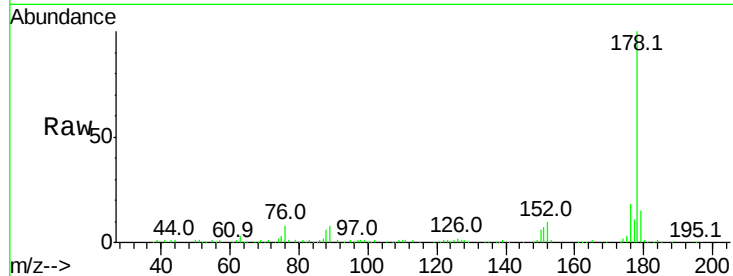
#70
Phenanthrene
Concen: 7.297 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.6	13.0	19.6

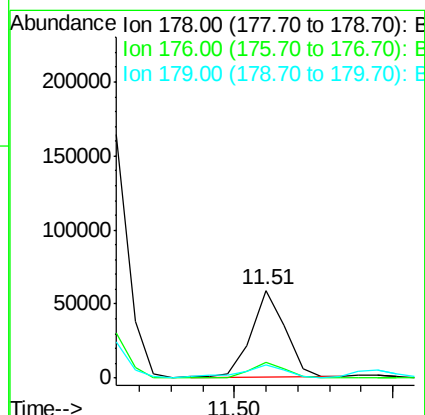
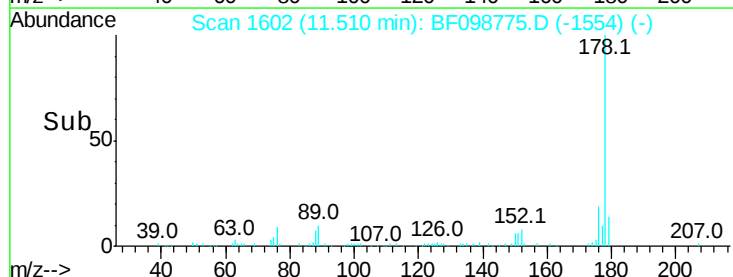
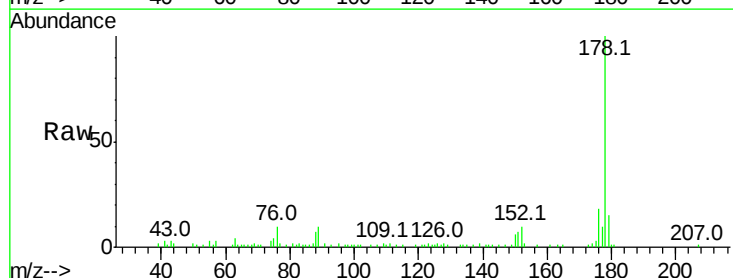
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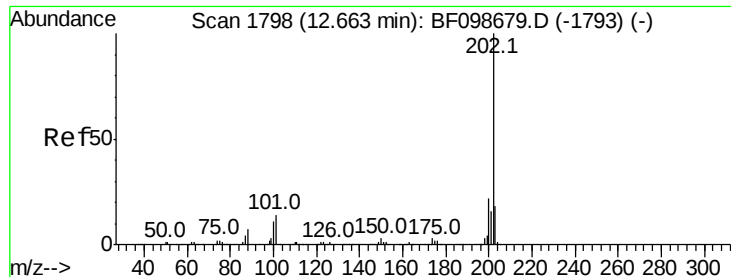
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#71
Anthracene
Concen: 2.162 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 9.997 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Instrument :

BNA_F

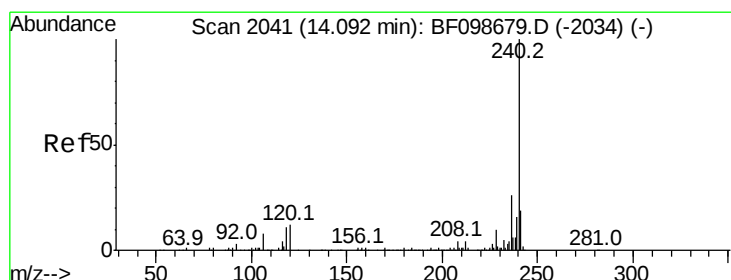
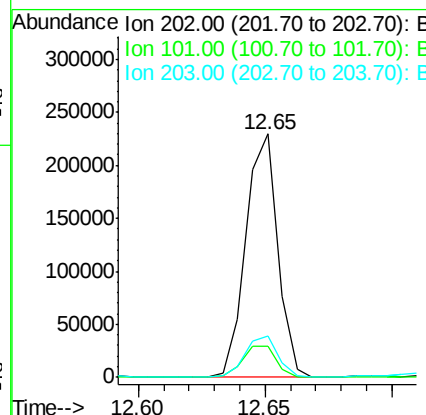
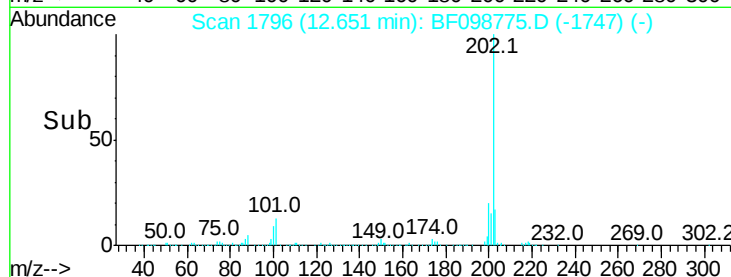
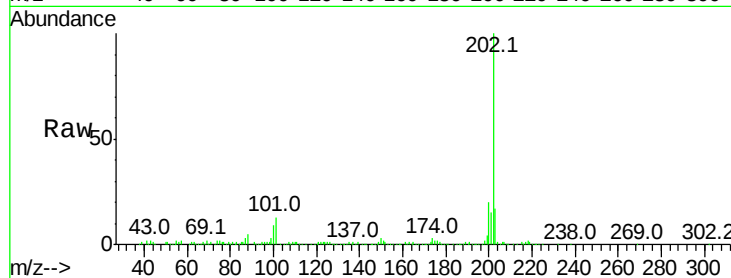
ClientSampleId :

SP-1-E-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

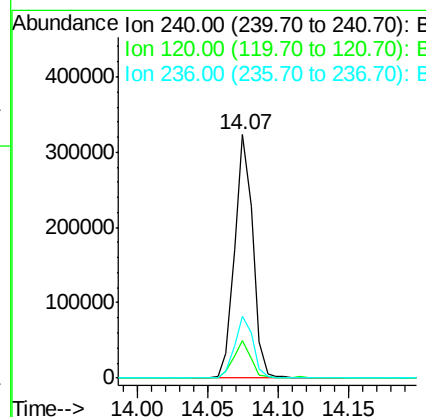
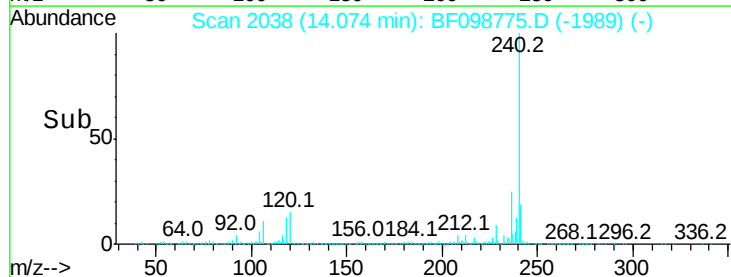
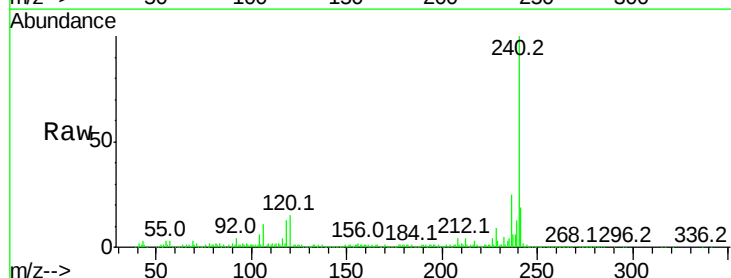
RT: 14.07 min Scan# 2038

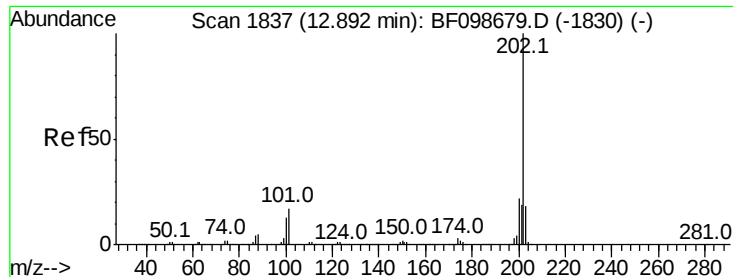
Delta R.T. -0.01 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	25.3	20.7	31.1





#77

Pvrene

Concen: 9.450 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Instrument :

BNA_F

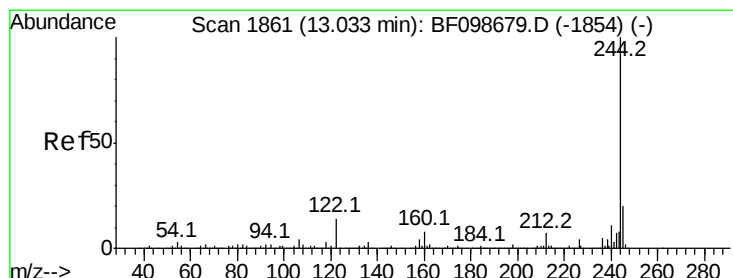
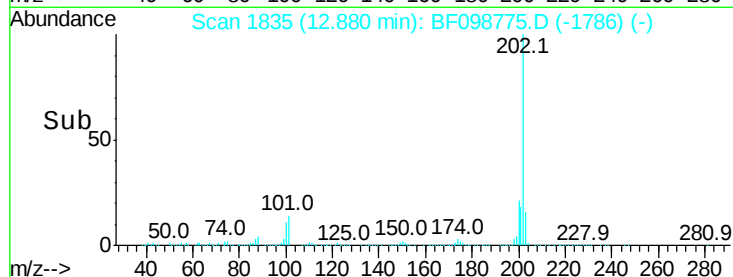
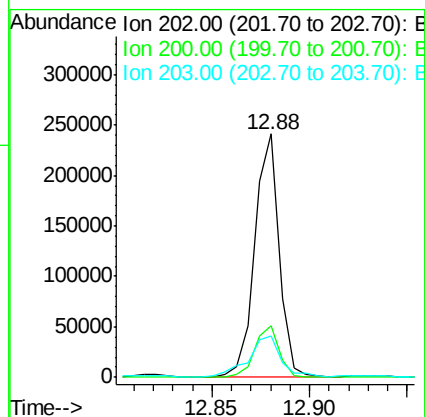
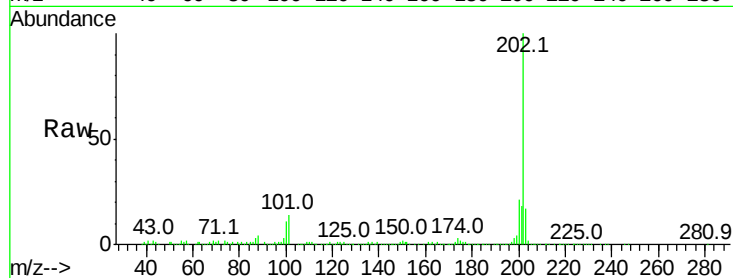
ClientSampleId :

SP-1-E-COMP

Tot Ion:	202	Resp:	207361
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.2
203	16.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 13.127 ng

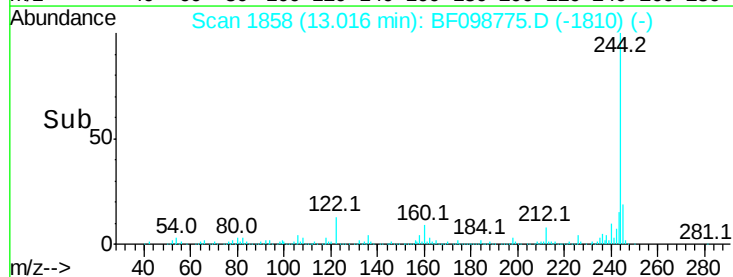
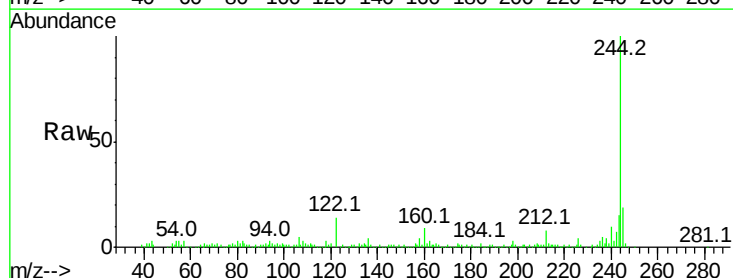
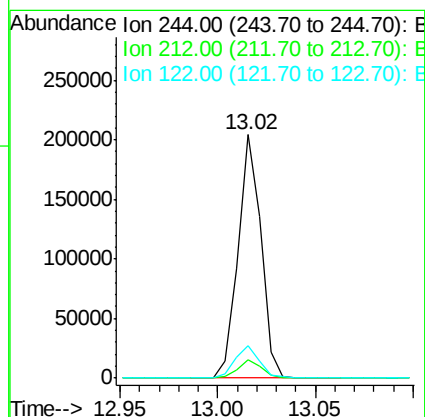
RT: 13.02 min Scan# 1858

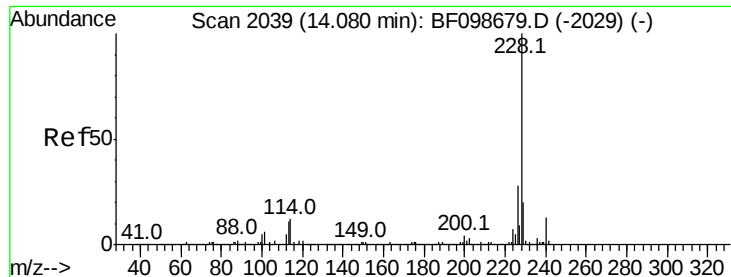
Delta R.T. -0.02 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Tgt Ion:	244	Resp:	166099
Ion Ratio		Lower	Upper
244	100		
212	7.5	5.4	8.0
122	13.5	11.0	16.4





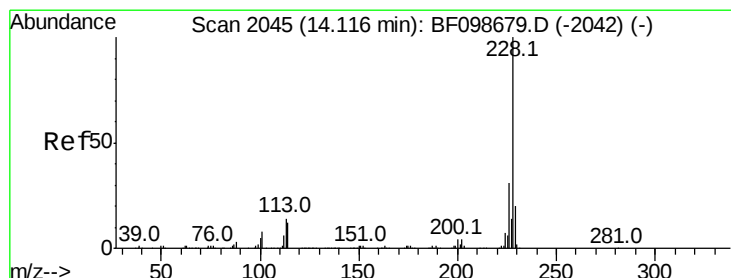
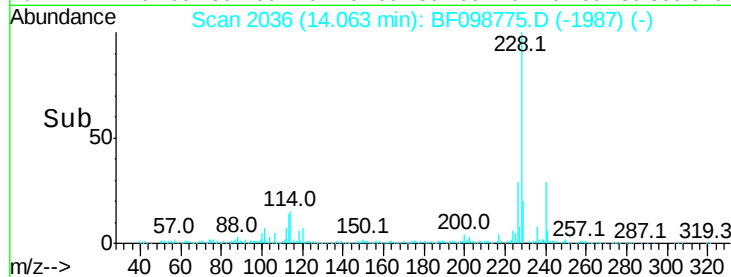
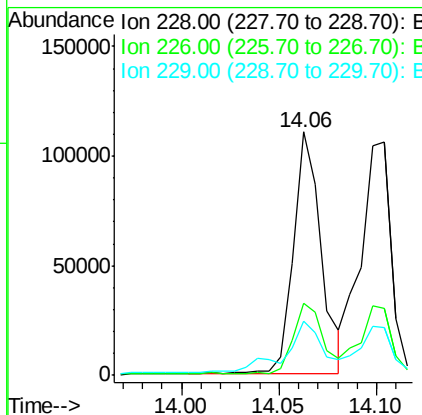
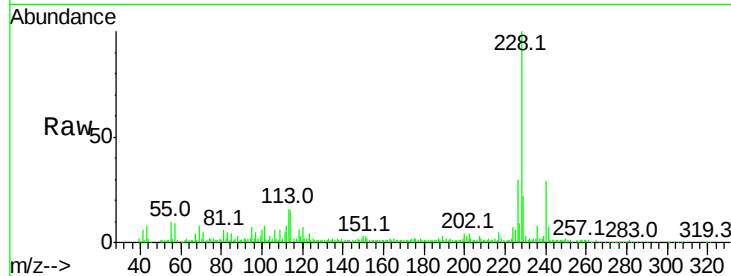
#80
Benzo(a)anthracene
Concen: 6.254 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Instrument :
BNA_F
ClientSampled :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.1	15.8	23.6

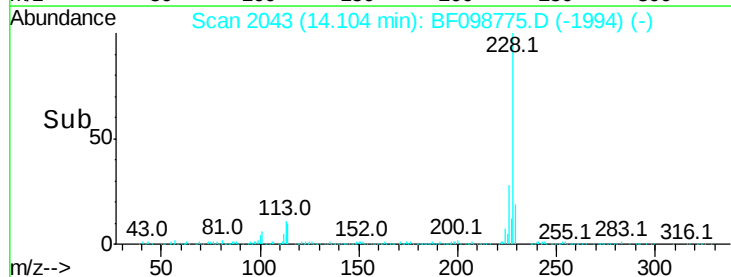
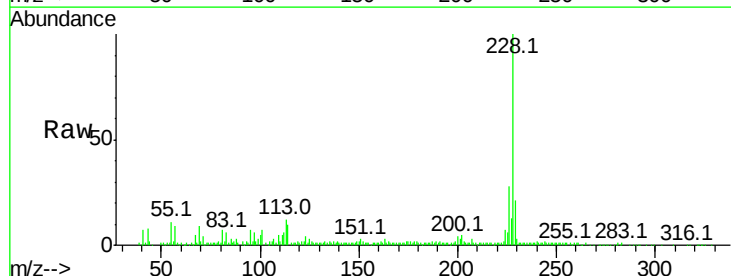
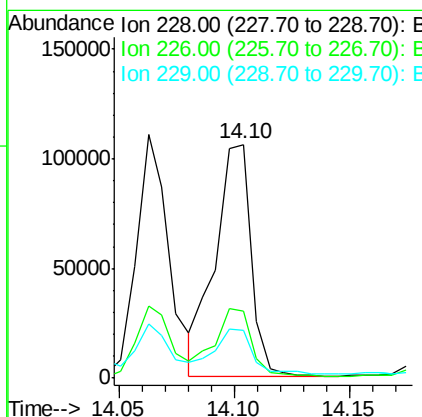
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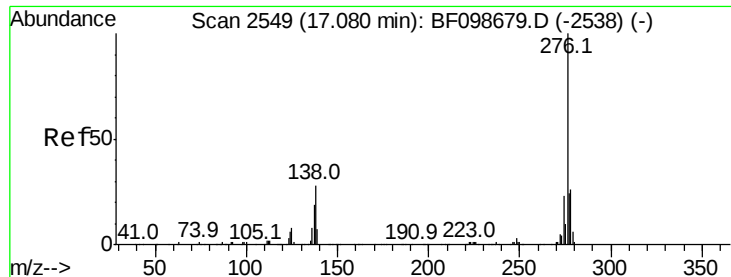
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#82
Chrysene
Concen: 6.943 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.0	37.6
229	20.7	16.2	24.4





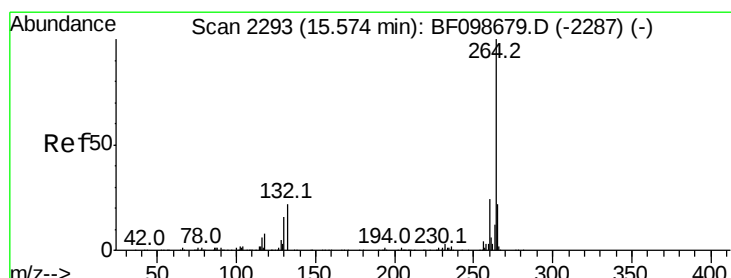
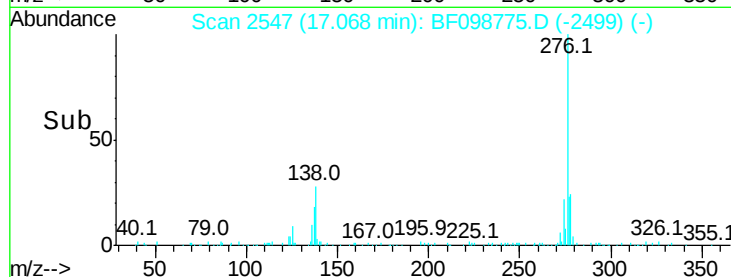
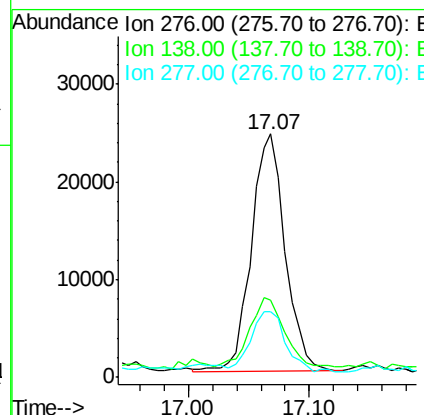
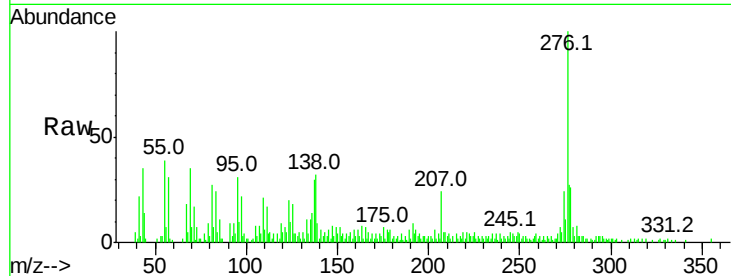
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.570 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Tot Ion:	276	Resp:	47371
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	26.7	20.1	30.1

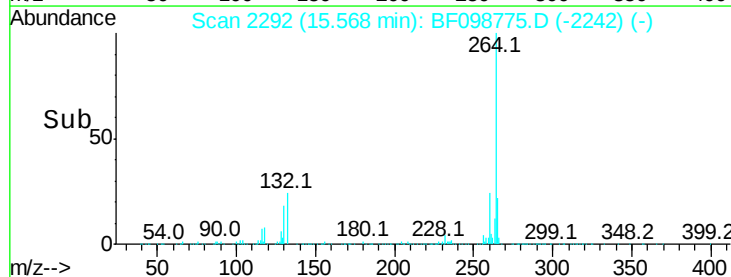
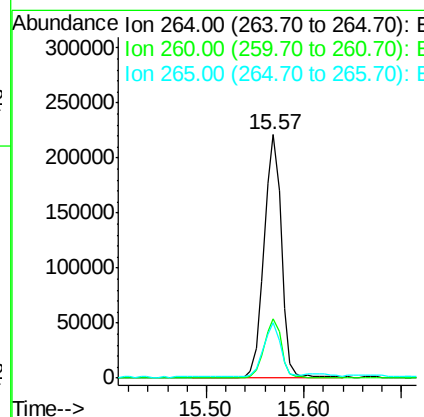
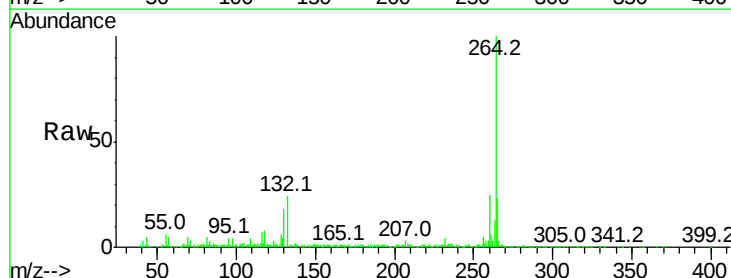
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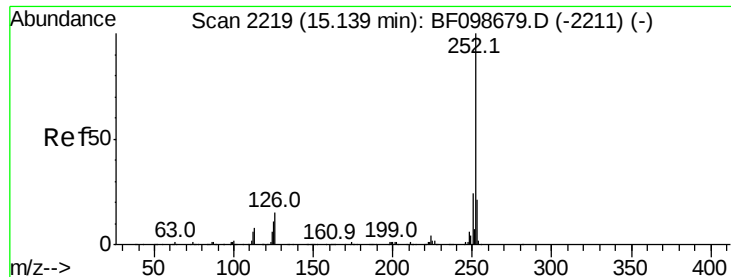
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098775.D
 Acq: 25 Sep 2017 11:27

Tgt Ion:	264	Resp:	274309
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.200 ng m

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Instrument :

BNA_F

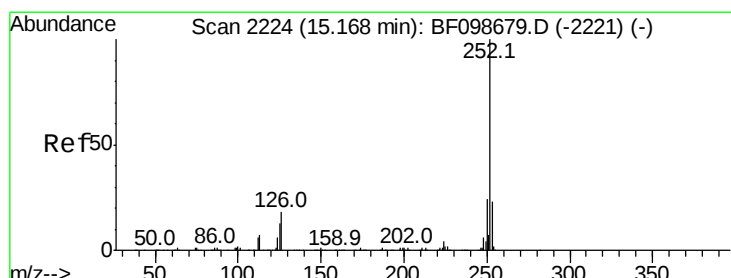
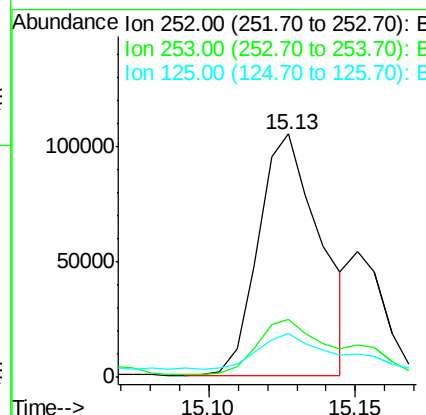
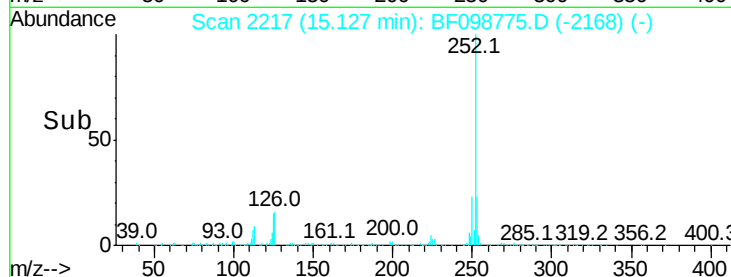
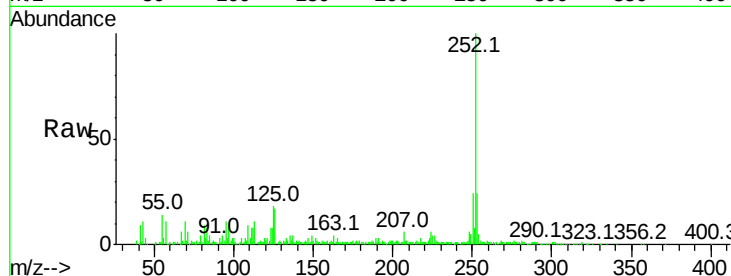
ClientSampled :

SP-1-E-COMP

Tot Ion:	252	Resp:	155169
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	17.8	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.828 ng m

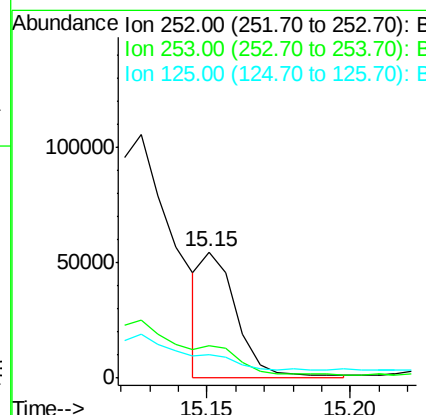
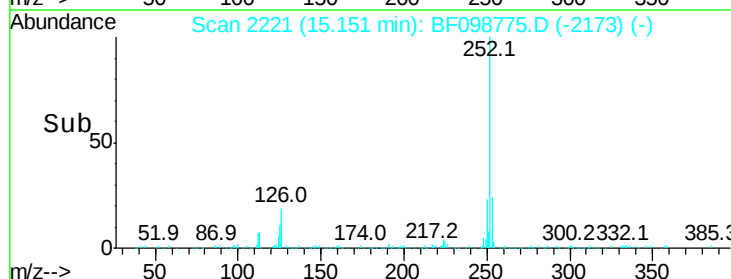
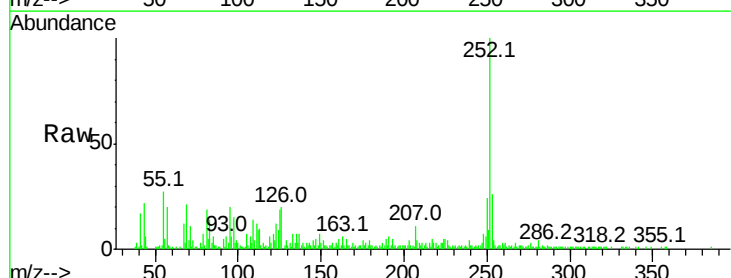
RT: 15.15 min Scan# 2221

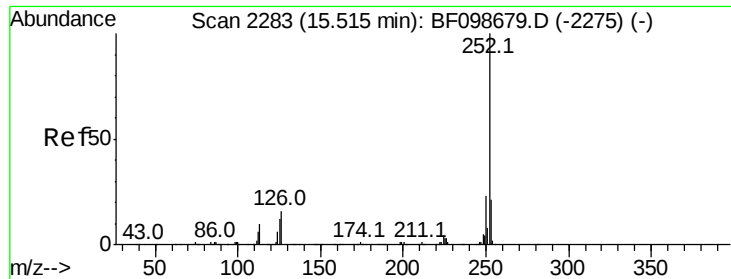
Delta R.T. -0.02 min

Lab File: BF098775.D

Acq: 25 Sep 2017 11:27

Tgt Ion:	252	Resp:	47103
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.9	26.9
125	18.5	10.2	15.2#





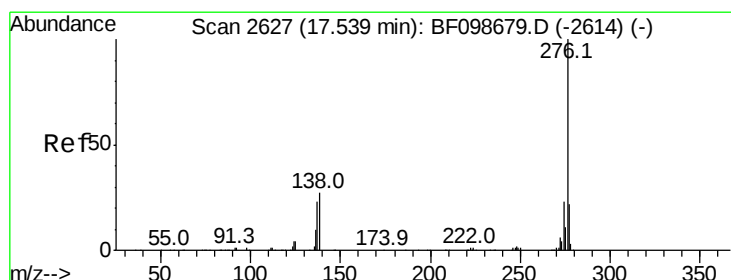
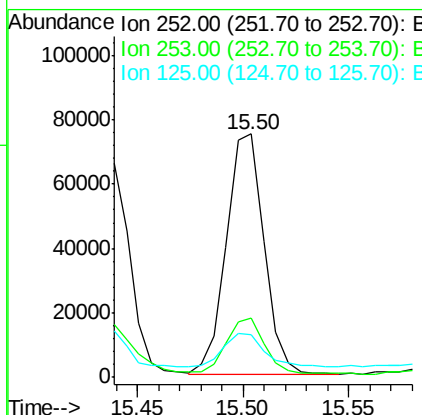
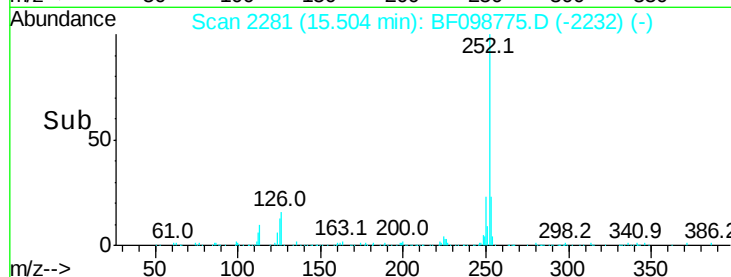
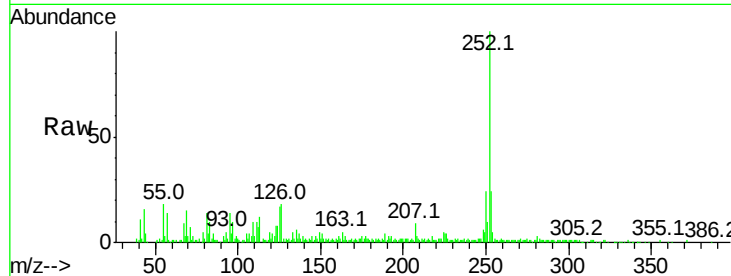
#89
Benzo(a)pyrene
Concen: 5.980 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Instrument :
BNA_F
ClientSampled :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	17.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.711 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF098775.D
Acq: 25 Sep 2017 11:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	35.0	21.8	32.8

