

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098836.D
 Acq On : 26 Sep 2017 17:03
 Operator : SJ/JU
 Sample : I5363-09 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-E-COMP

Manual Integrations
 APPROVED

Sohil
 9/27/2017 12:44:55 PM

Quant Time: Sep 27 01:55:02 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	144277	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	598727	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	269803	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	438543	20.00	ng	0.00
75) Chrysene-d12	14.07	240	283794	20.00	ng	-0.01
86) Perylene-d12	15.57	264	271081	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	136337	15.04	ng	-0.02
7) Phenol-d6	6.53	99	168293	15.05	ng	-0.02
23) Nitrobenzene-d5	7.47	82	95875	10.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	29166	13.21	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	200668	12.42	ng	-0.01
78) Terphenyl-d14	13.02	244	145755	11.68	ng	-0.02
Target Compounds						
70) Phenanthrene	11.46	178	55948	2.383	ng	98
74) Fluoranthene	12.65	202	80743	3.397	ng	97
77) Pyrene	12.88	202	69738	3.223	ng	98
80) Benzo(a)anthracene	14.07	228	36062	2.099	ng	93
82) Chrysene	14.10	228	38248	2.338	ng	98
87) Benzo(b)fluoranthene	15.13	252	50977m	3.059	ng	

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

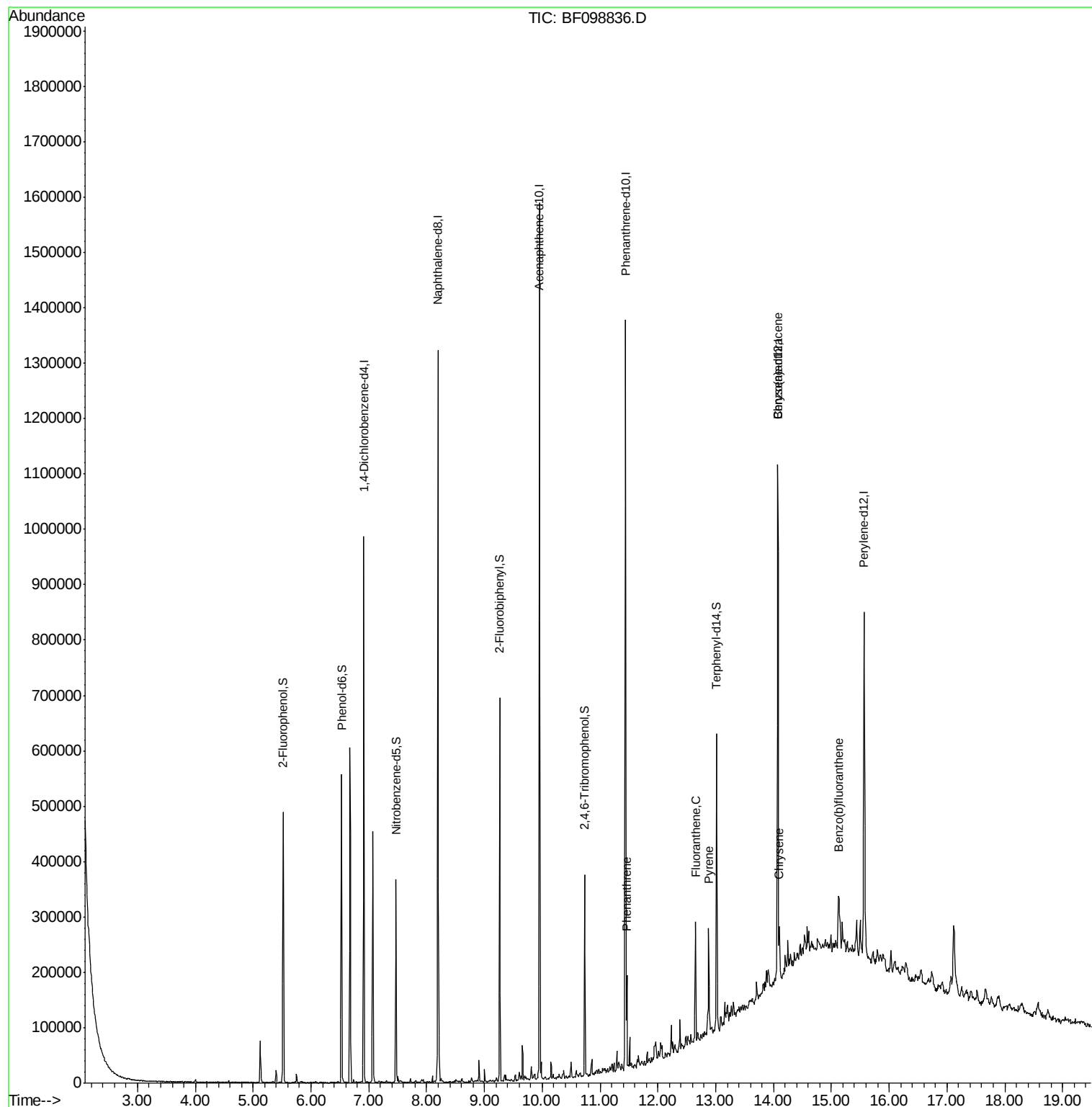
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
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#1

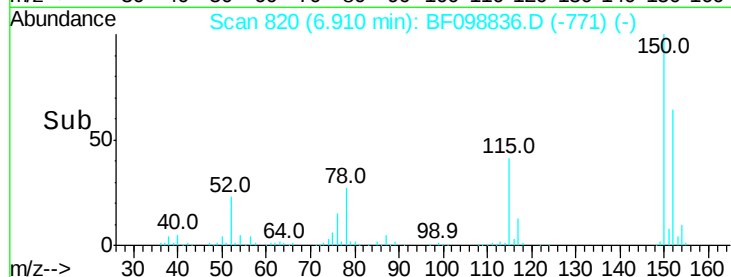
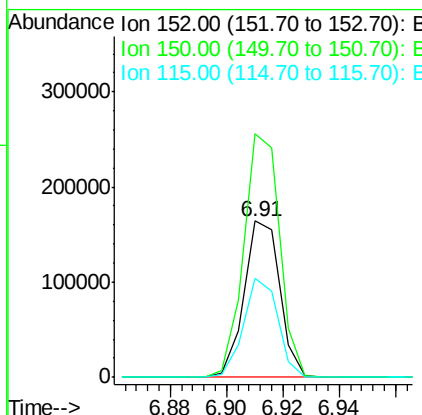
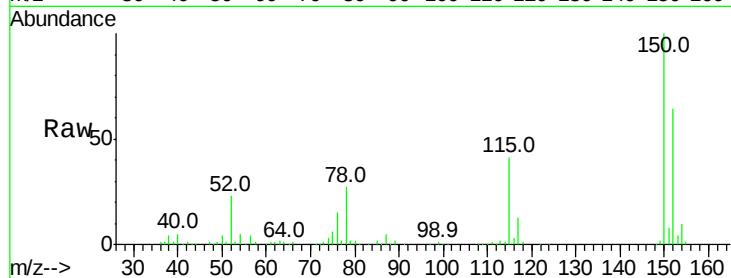
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Instrument :
BNA_F
ClientSampleId :
SP-3-E-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	63.3	50.1	75.1

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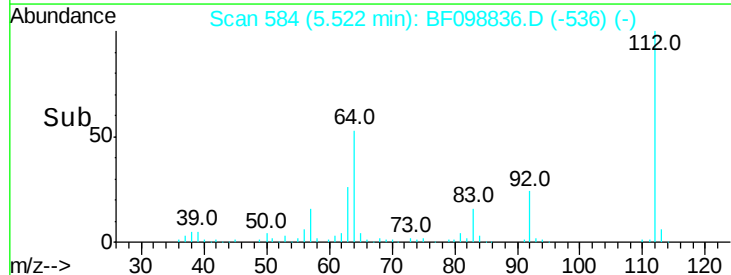
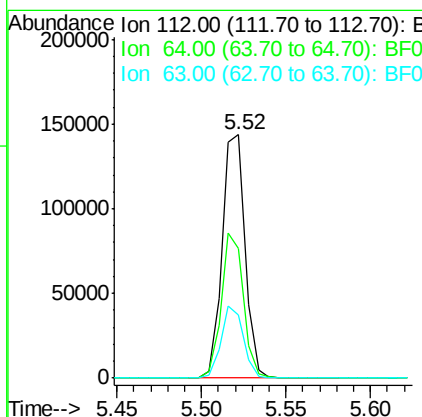
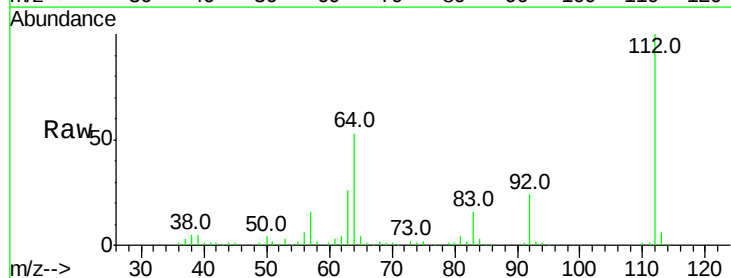
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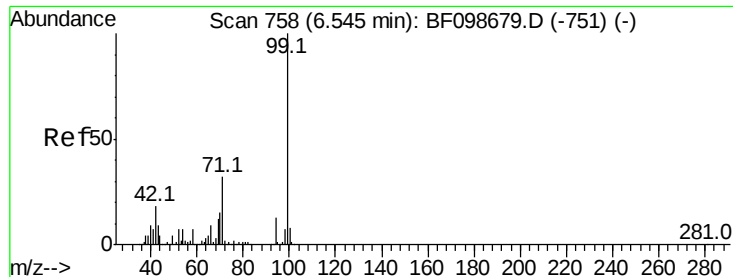


#5

2-Fluorophenol
Concen: 15.043 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	25.8	23.7	35.5





#7

Phenol-d6

Concen: 15.052 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

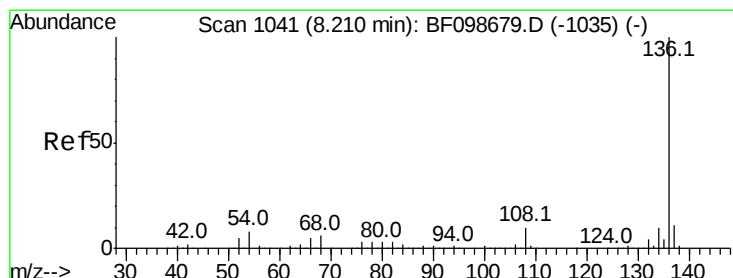
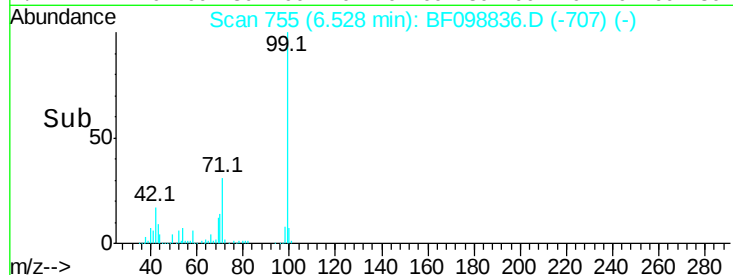
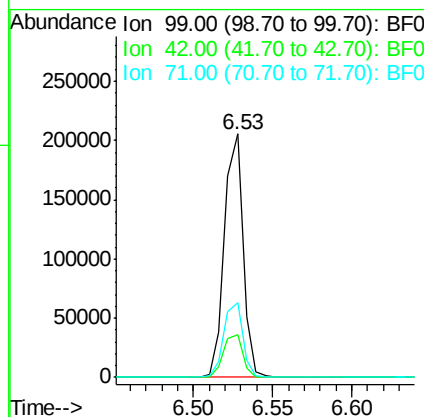
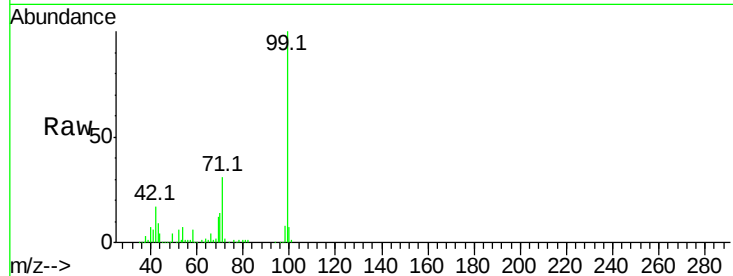
ClientSampled :

SP-3-E-COMP

Tot Ion:	99	Resp:	168293
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	30.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

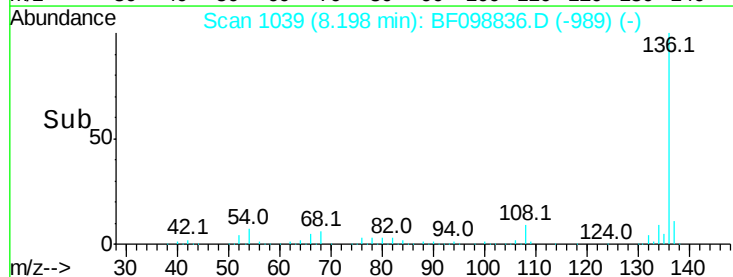
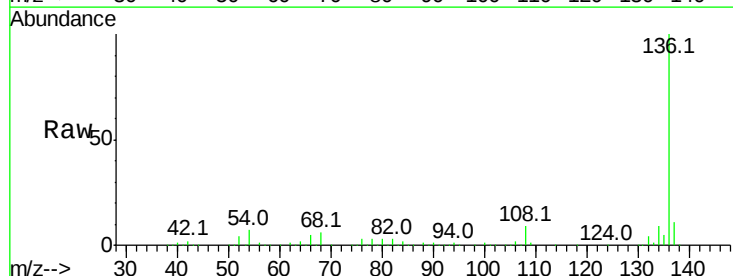
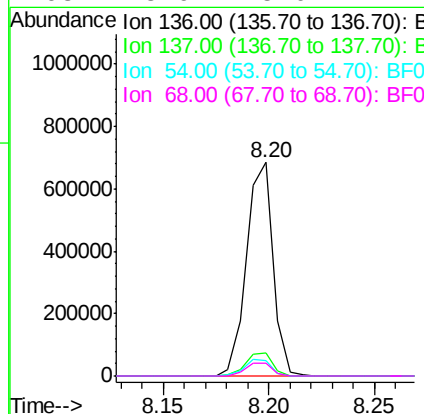
RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion:	136	Resp:	598727
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.0	6.6	9.8
68	5.9	5.0	7.4





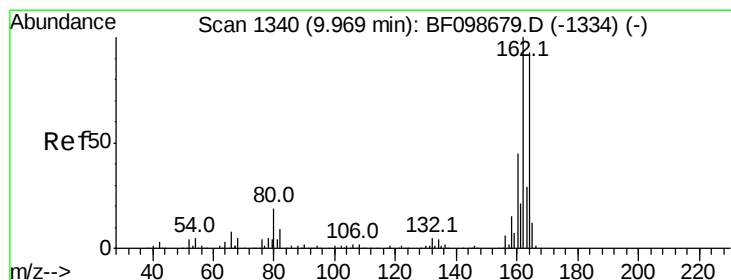
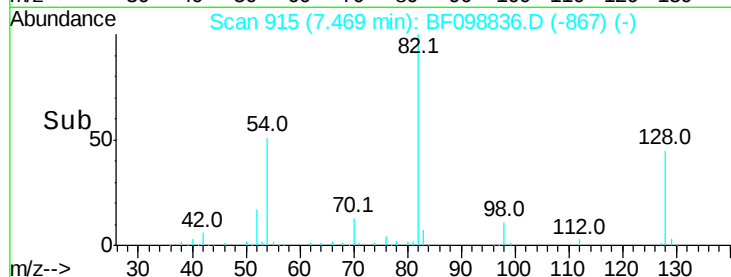
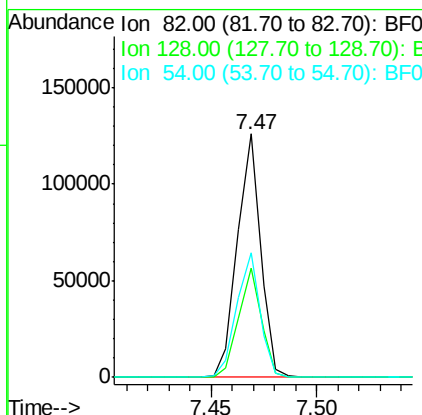
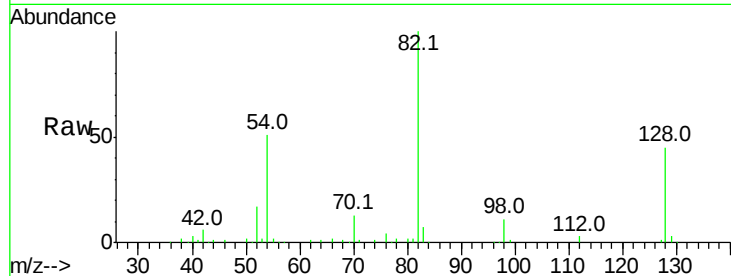
#23
 Nitrobenzene-d5
 Concen: 10.269 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-E-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	51.1	41.4	62.2

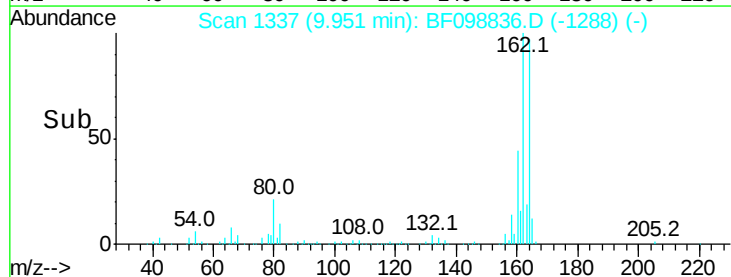
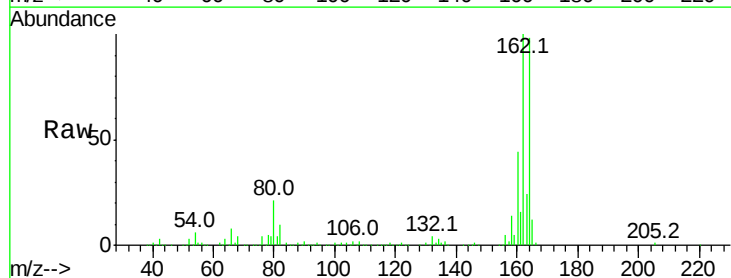
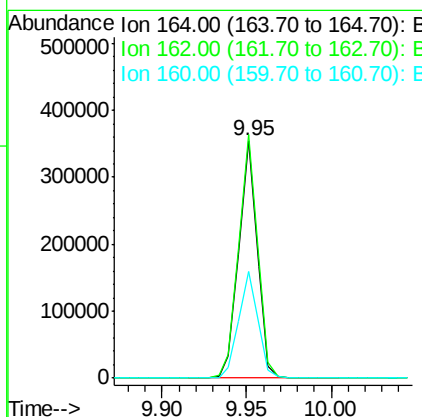
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.1	38.3	57.5





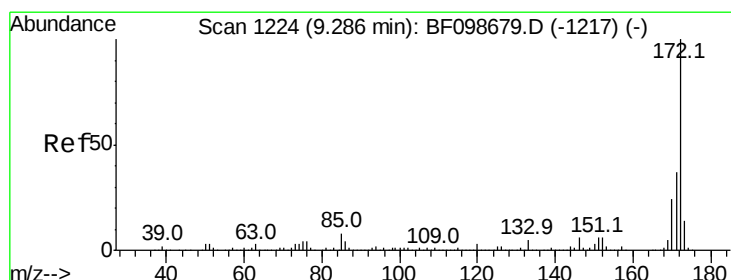
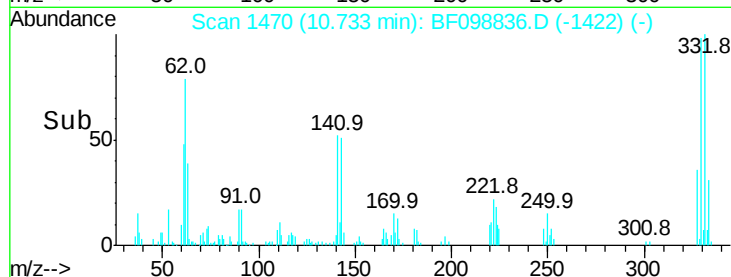
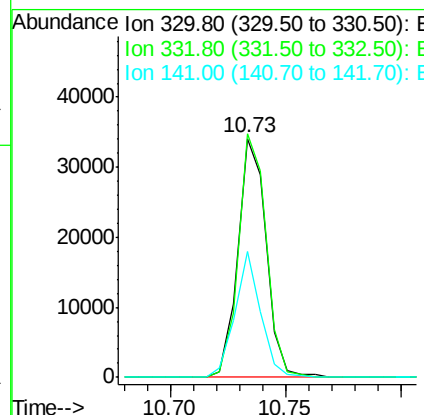
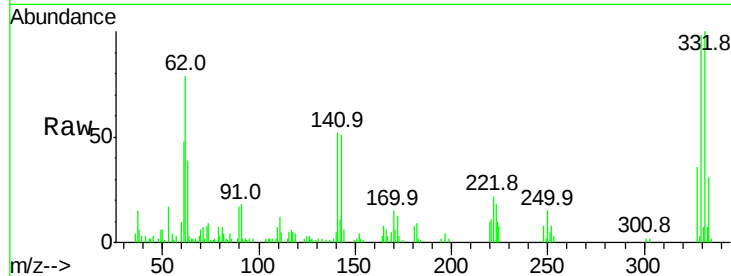
#41
 2,4,6-Tribromophenol
 Concen: 13.211 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-E-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29166		
332	100.1	77.0	115.6	
141	47.7	29.9	44.9	

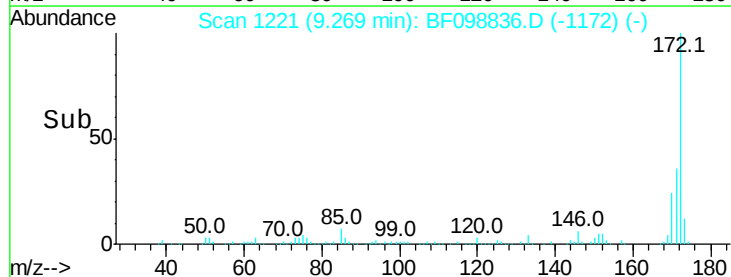
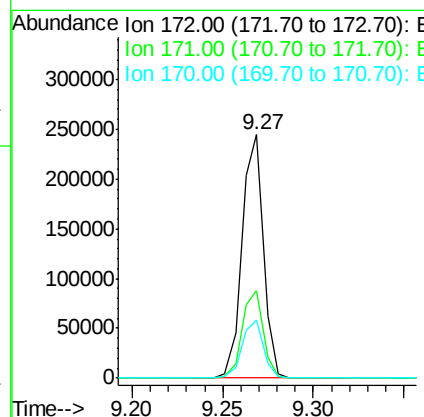
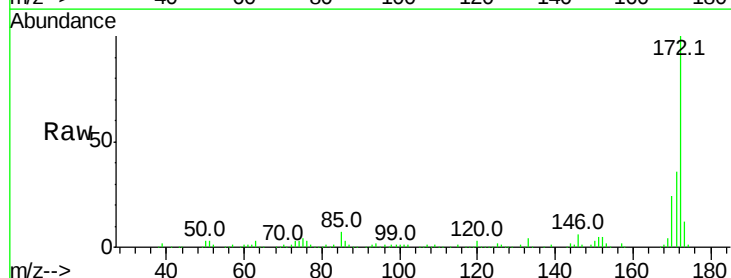
Manual Integrations
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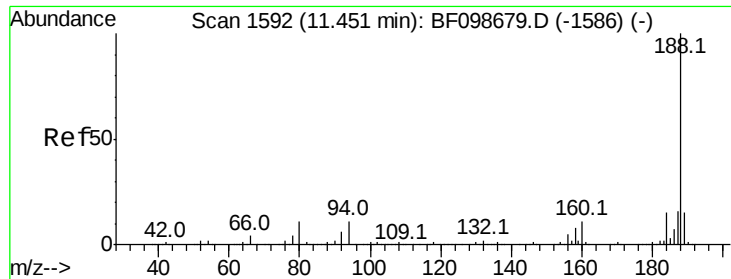
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#44
 2-Fluorobiphenyl
 Concen: 12.416 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	200668		
171	35.8	29.7	44.5	
170	23.6	19.6	29.4	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

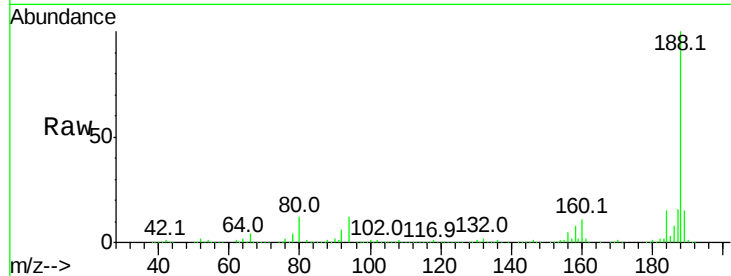
ClientSampled :

SP-3-E-COMP

Tot Ion:	188	Resp:	438543
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.5	12.7
80	11.9	9.2	13.8

Manual Integrations
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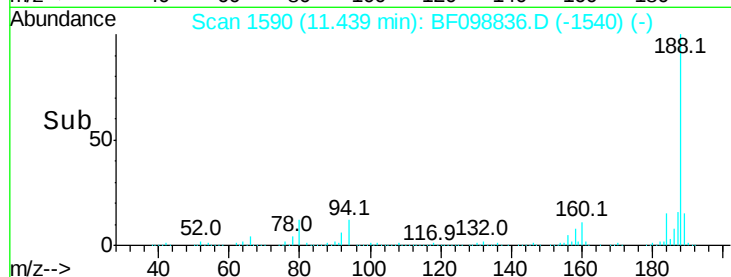


Abundance Ion 188.00 (187.70 to 188.70): E

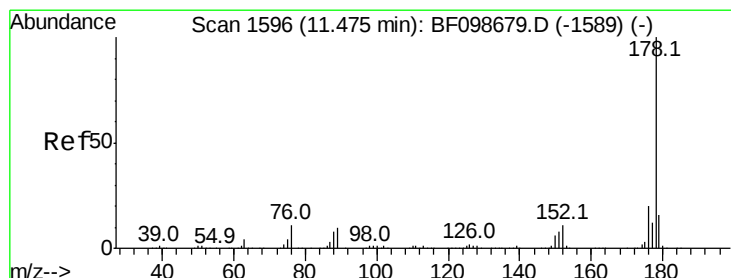
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#70

Phenanthrene

Concen: 2.383 ng

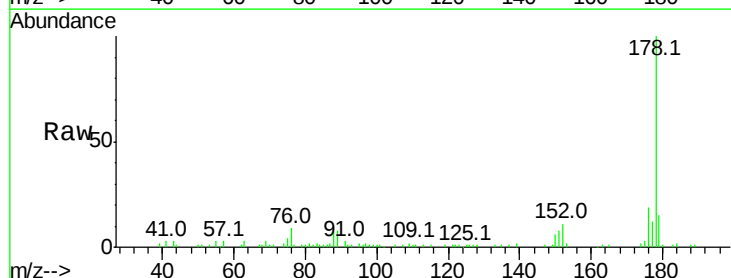
RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion:	178	Resp:	55948
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.4	13.0	19.6

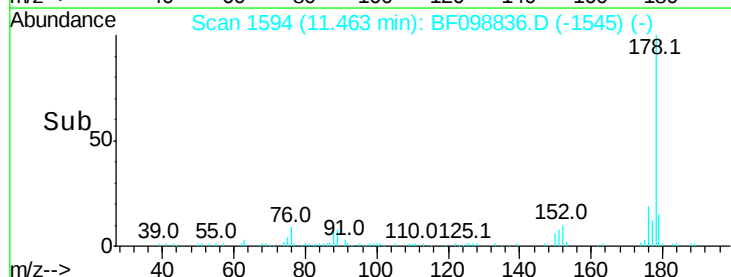


Abundance Ion 178.00 (177.70 to 178.70): E

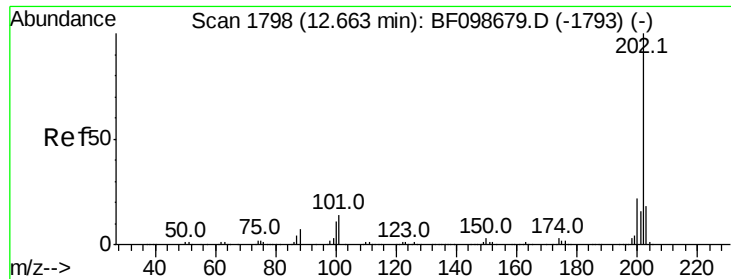
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#74

Fluoranthene

Concen: 3.397 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

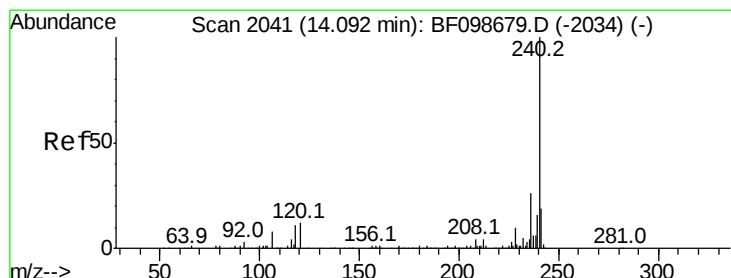
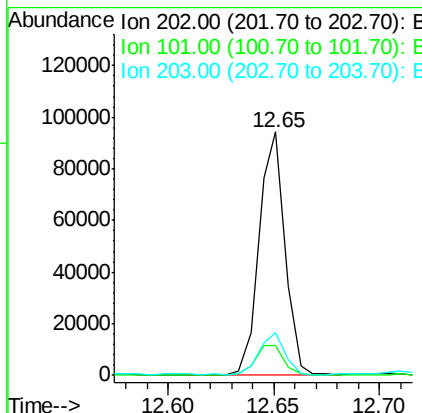
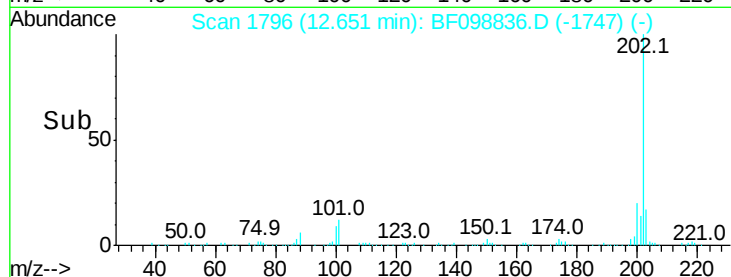
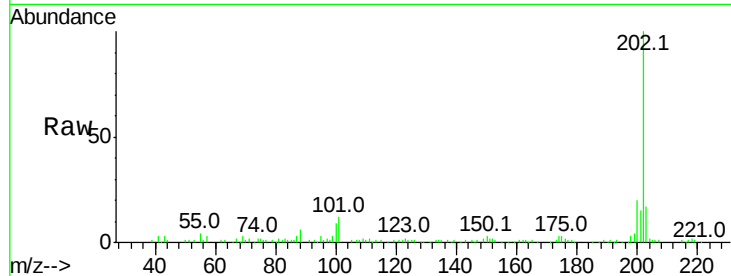
ClientSampleId :

SP-3-E-COMP

Tot Ion:	202	Resp:	80743
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

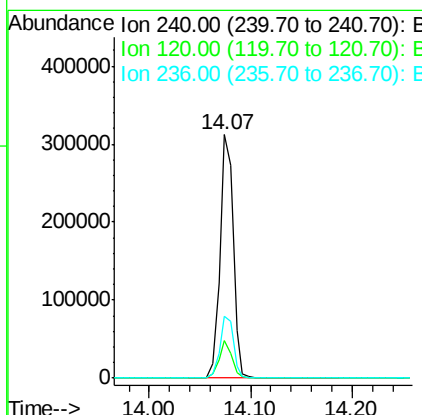
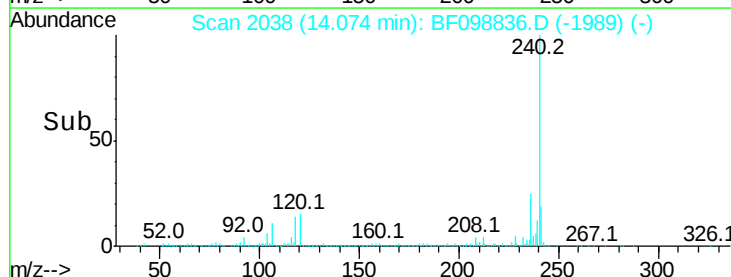
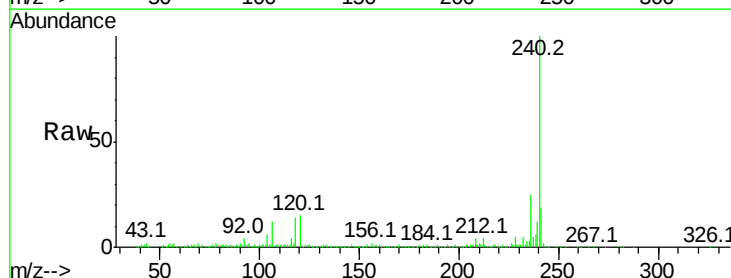
RT: 14.07 min Scan# 2038

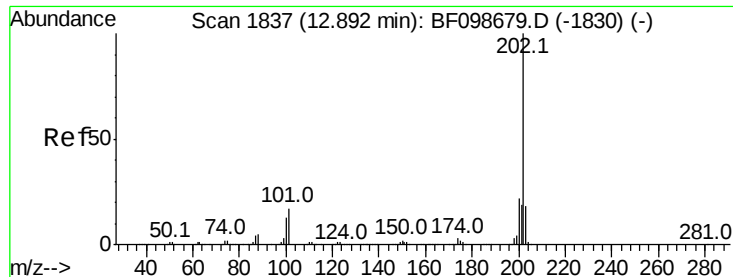
Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion:	240	Resp:	283794
Ion Ratio	Lower	Upper	
240	100		
120	15.4	9.5	14.3#
236	25.2	20.7	31.1





#77

Pvrene

Concen: 3.223 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

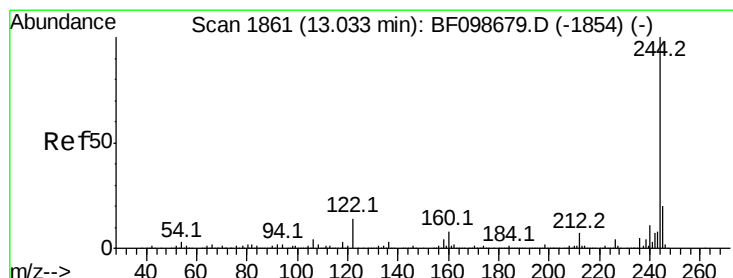
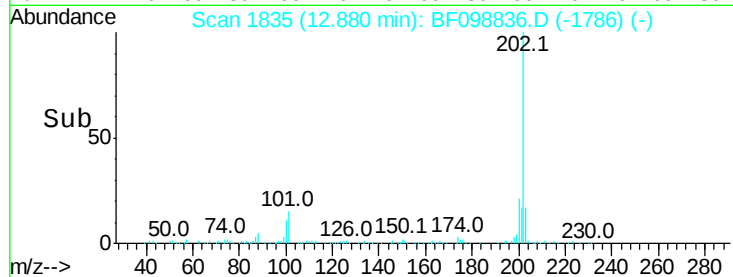
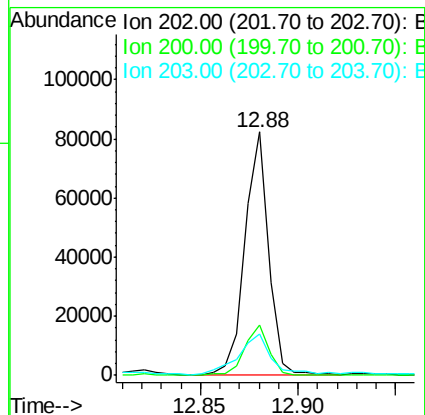
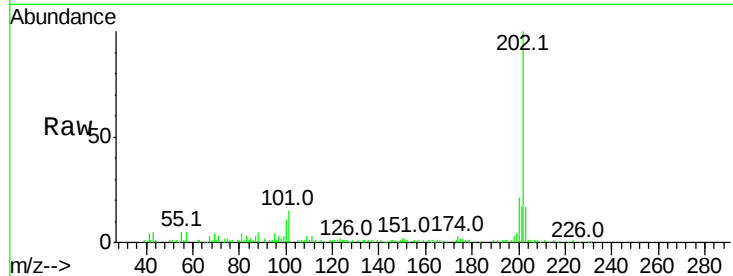
ClientSampleId :

SP-3-E-COMP

Tot Ion:	202	Resp:	69738
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	16.9	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 11.680 ng

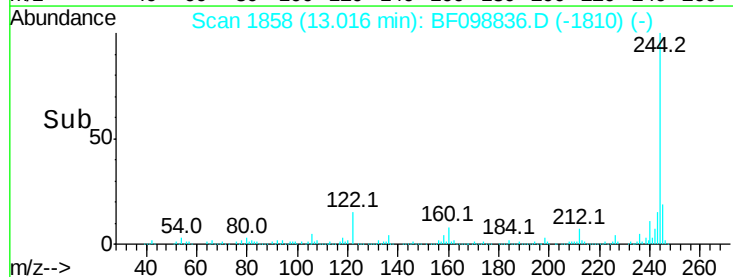
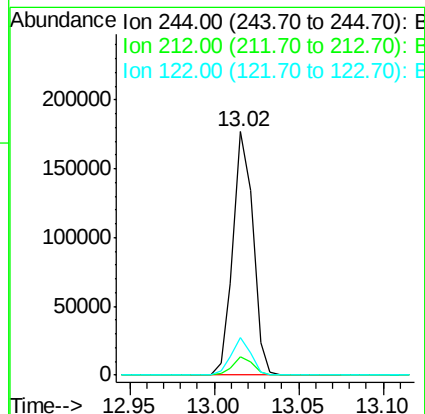
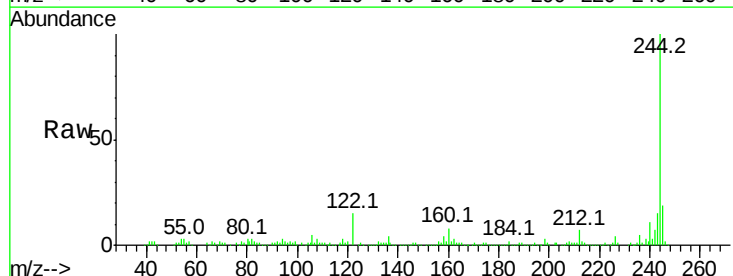
RT: 13.02 min Scan# 1858

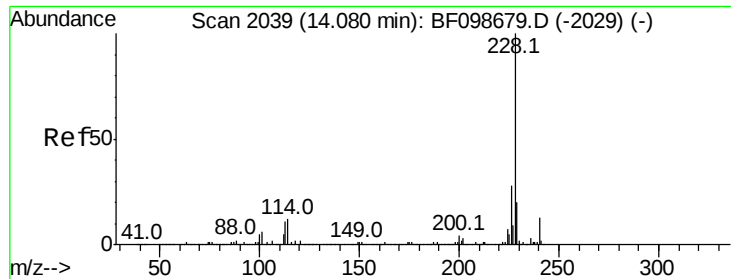
Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion:	244	Resp:	145755
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	15.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.099 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

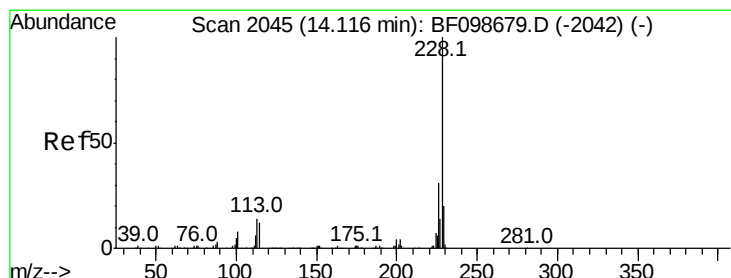
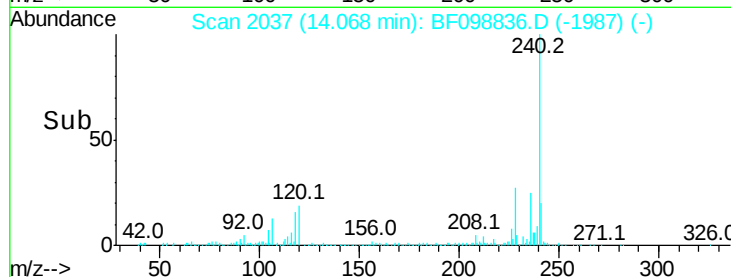
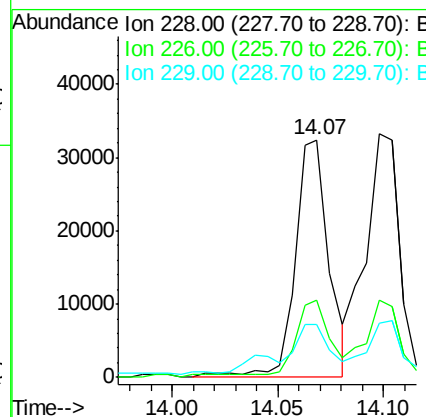
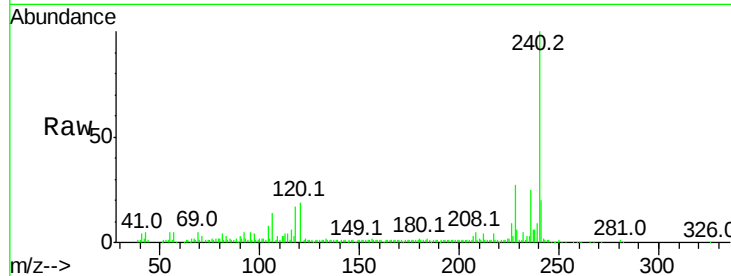
ClientSampleId :

SP-3-E-COMP

Tot Ion:	228	Resp:	36062
Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	22.3	15.8	23.6

Manual Integrations
APPROVED

Sohil
9/27/2017 12:44:55 PM



#82

Chrysene

Concen: 2.338 ng

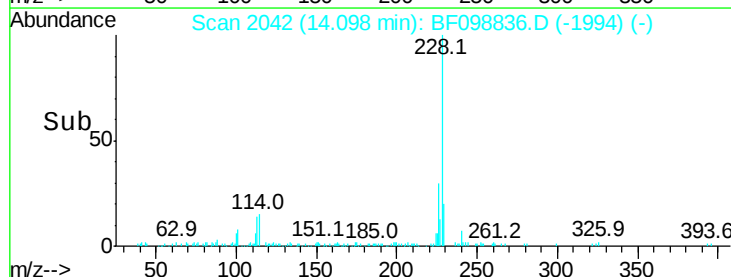
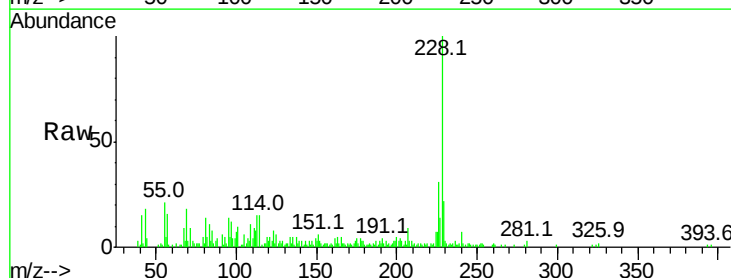
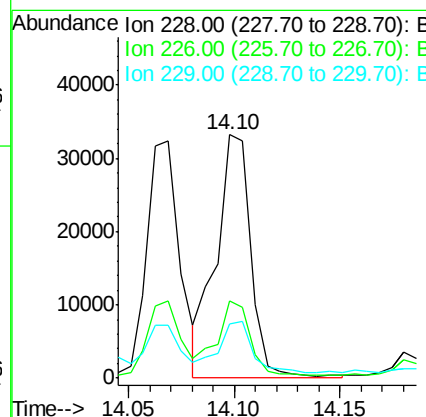
RT: 14.10 min Scan# 2042

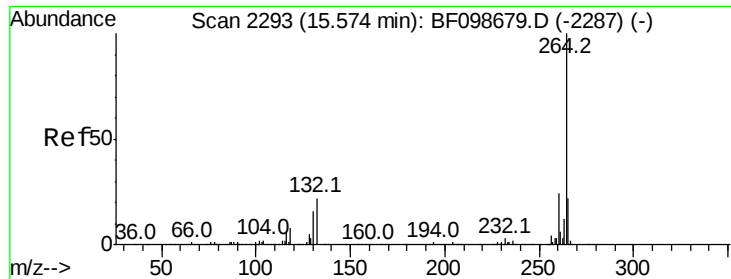
Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion:	228	Resp:	38248
Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.5	16.2	24.4





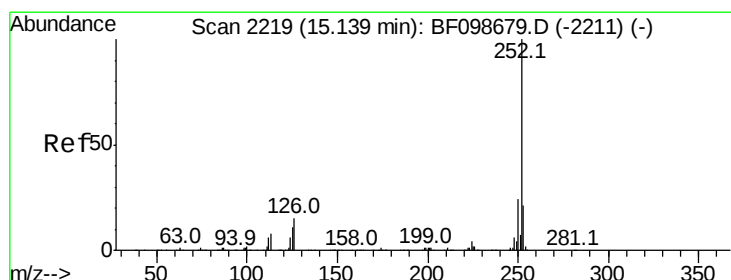
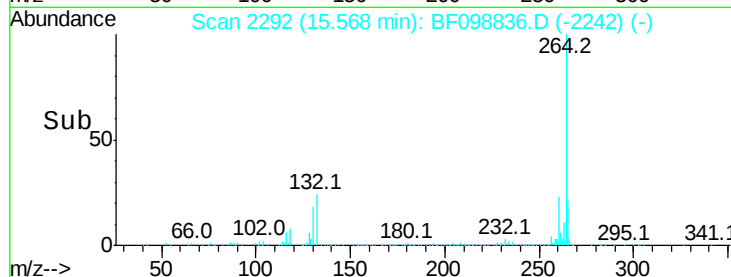
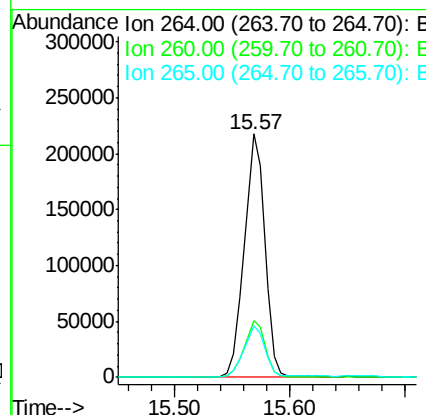
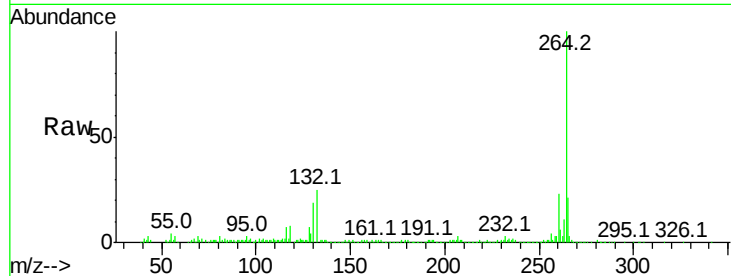
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Instrument :
BNA_F
ClientSampled :
SP-3-E-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
APPROVED

Sohil
9/27/2017 12:44:55 PM



#87
Benzo(b)fluoranthene
Concen: 3.059 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	17.1	9.0	13.6#

