

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098754.D
 Acq On : 23 Sep 2017 22:23
 Operator : SJ/JU
 Sample : I5360-03 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 25 07:45:54 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	6.92	152	140771	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	518454	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	189896	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	287134	20.00	ng	0.00
75) Chrysene-d12	14.09	240	273504	20.00	ng	0.00
86) Perylene-d12	15.57	264	226921	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	75424	8.53	ng	-0.01
7) Phenol-d6	6.53	99	87427	8.01	ng	-0.02
23) Nitrobenzene-d5	7.47	82	48002	5.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	9331	6.01	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	87526	7.69	ng	0.00
78) Terphenyl-d14	13.02	244	61110	5.08	ng	-0.01
Target Compounds						
70) Phenanthrene	11.47	178	71047	4.623	ng	98
74) Fluoranthene	12.66	202	115797	7.440	ng	97
77) Pyrene	12.89	202	112345	5.387	ng	99
80) Benzo(a)anthracene	14.07	228	51238	3.094	ng	95
82) Chrysene	14.11	228	47615	3.020	ng	97
87) Benzo(b)fluoranthene	15.13	252	51617m	3.700	ng	
89) Benzo(a)pyrene	15.51	252	37447	2.924	ng	# 92
91) Benzo(g,h,i)perylene	17.54	276	21751	2.147	ng	96

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

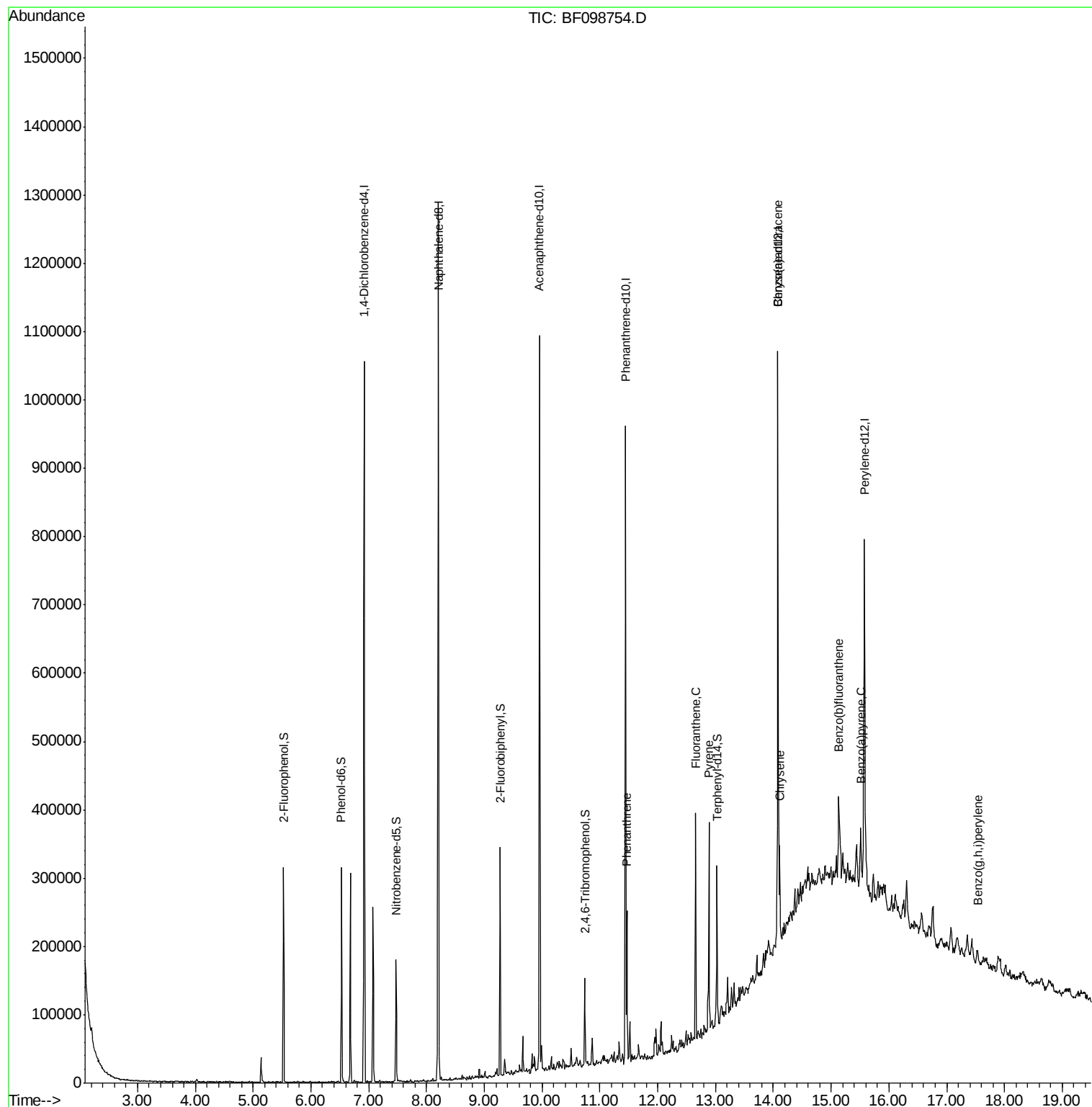
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098754.D
Acq On : 23 Sep 2017 22:23
Operator : SJ/JU
Sample : I5360-03 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

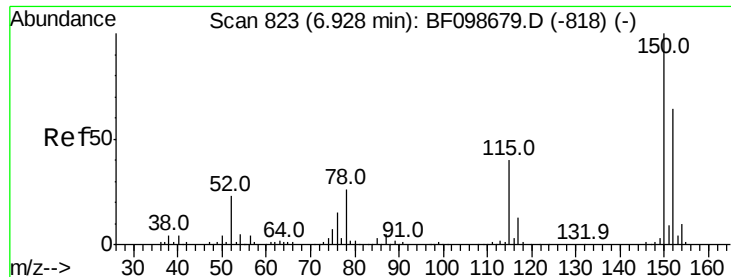
Instrument :
BNA_F
ClientSampleId :
SP-1-B-COMP

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QLast Update : Sat Sep 23 13:50:58 2017
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#1

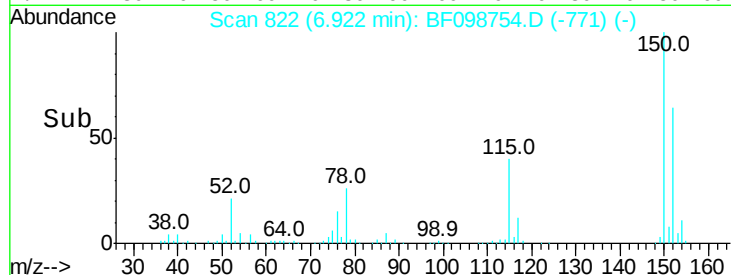
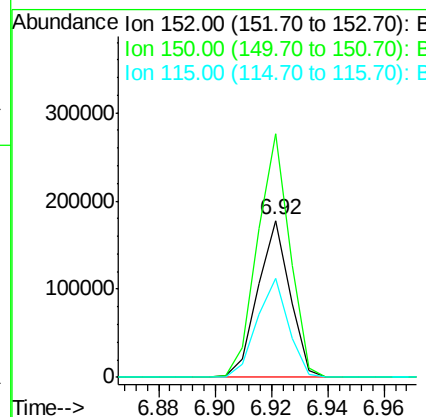
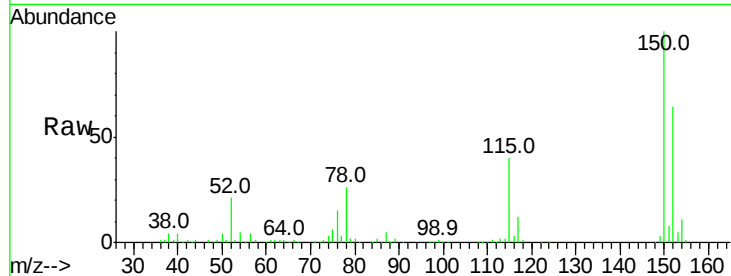
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	62.8	50.1	75.1

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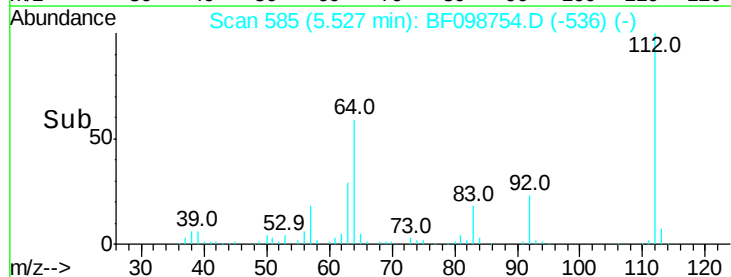
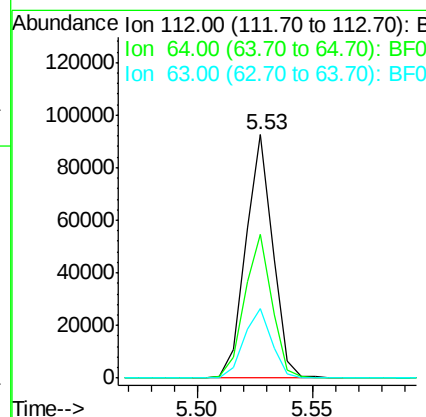
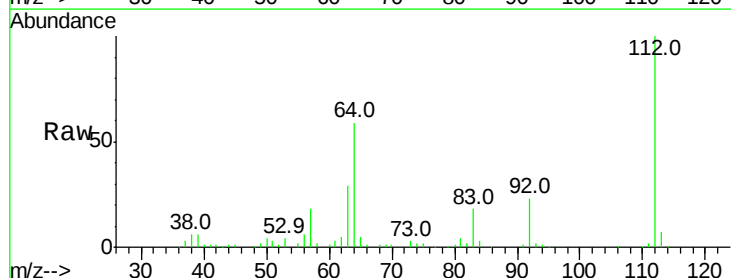
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#5

2-Fluorophenol
 Concen: 8.529 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 8.014 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Instrument :

BNA_F

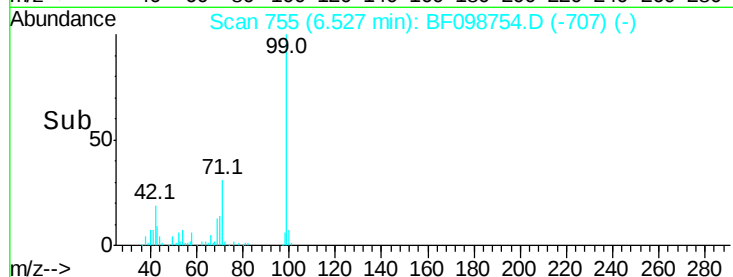
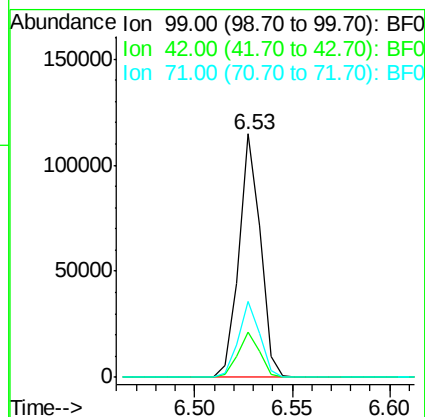
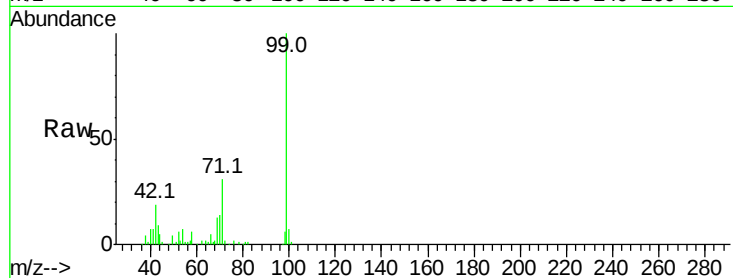
ClientSampleId :

SP-1-B-COMP

Tot Ion:	99	Resp:	87427
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

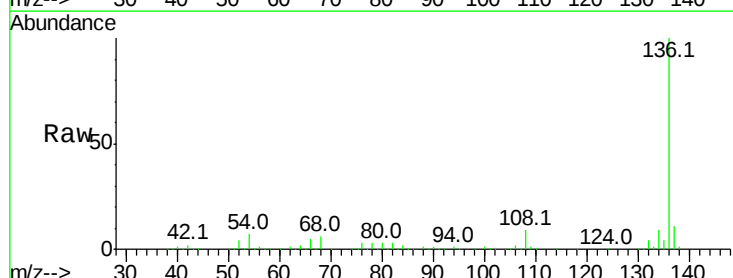
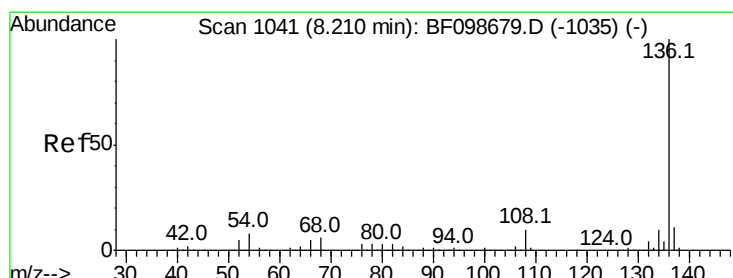
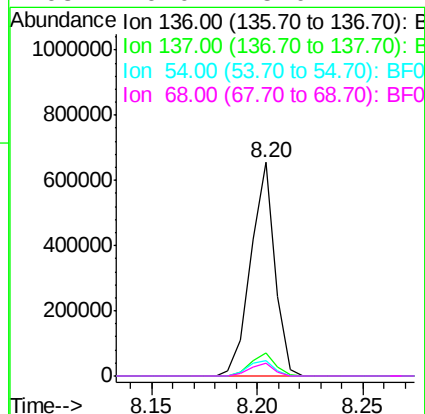
RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Tgt Ion:	136	Resp:	518454
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	6.0	5.0	7.4





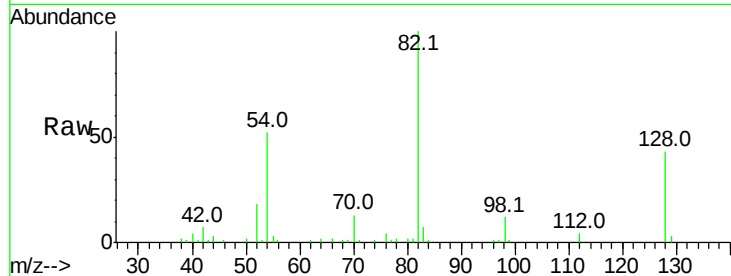
#23
Nitrobenzene-d5
Concen: 5.938 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

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

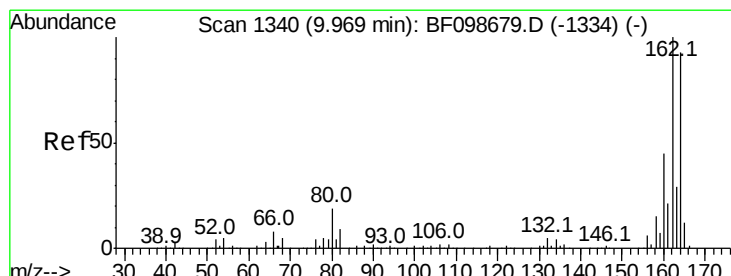
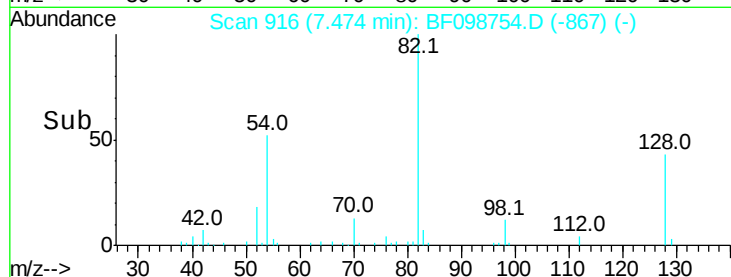
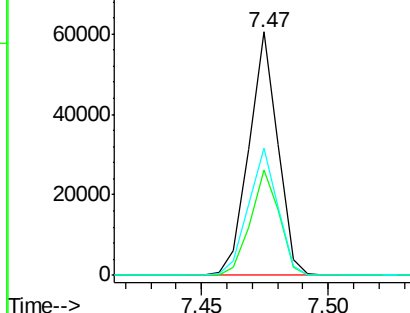
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	52.2	41.4	62.2

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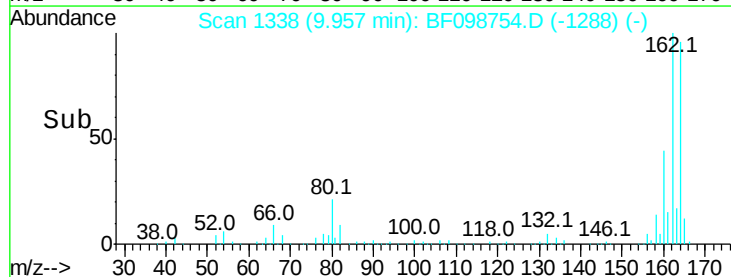
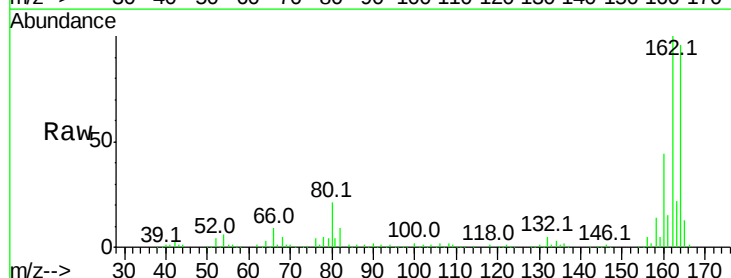
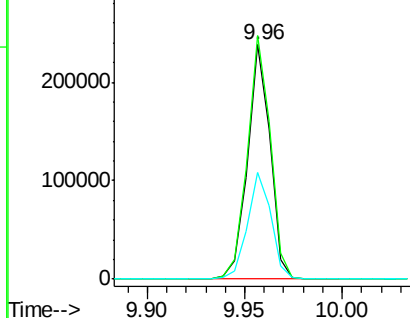
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

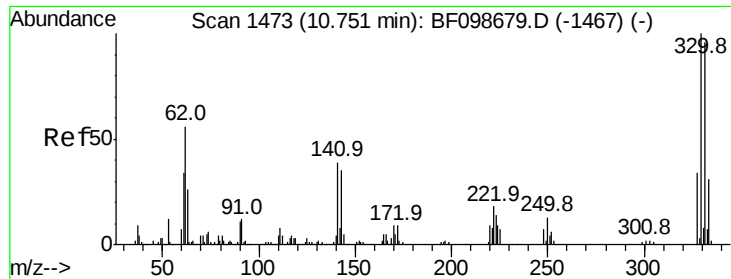


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	45.3	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





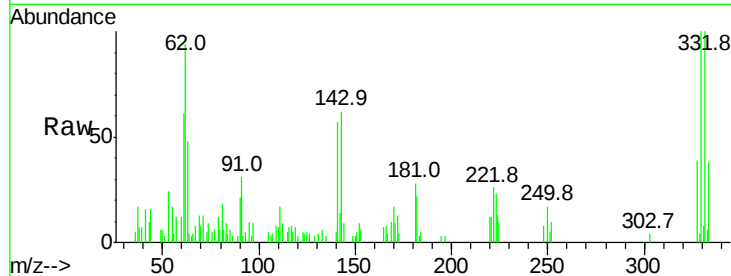
#41
 2,4,6-Tribromophenol
 Concen: 6.005 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

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

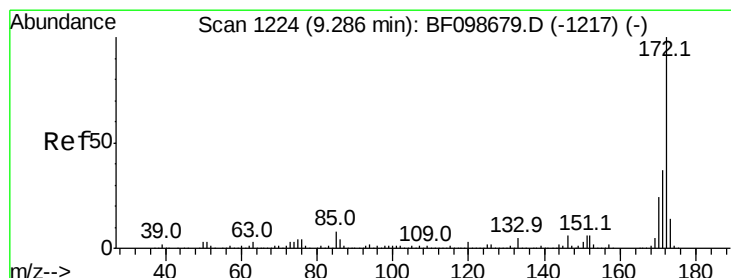
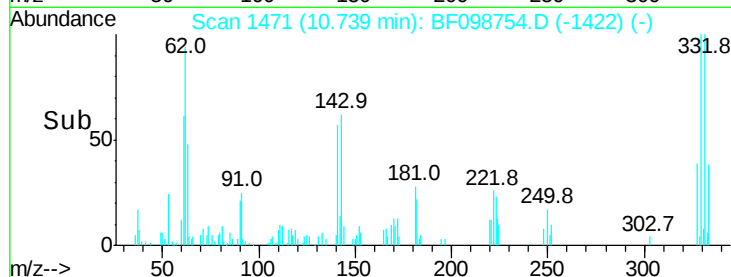
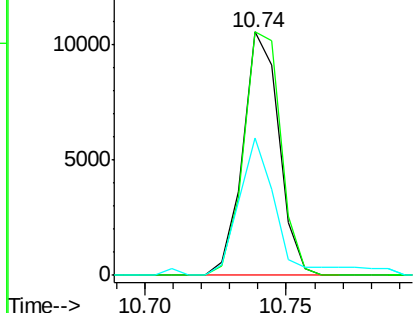
Tot Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	55.7	29.9	44.9

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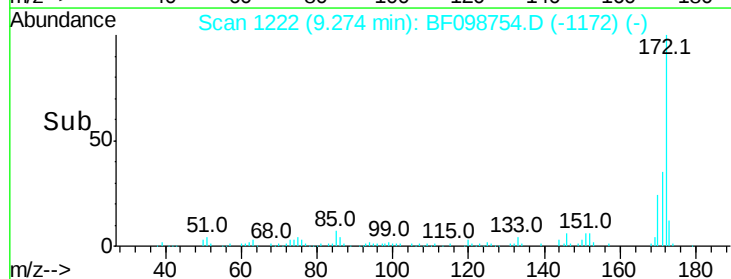
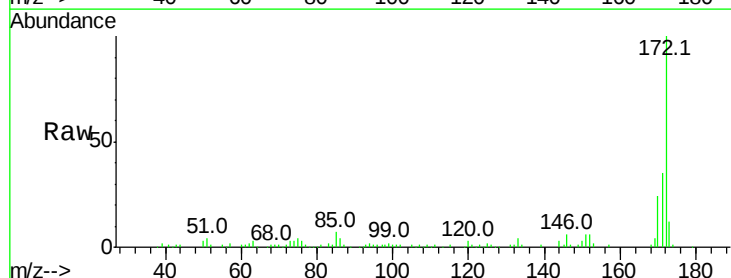
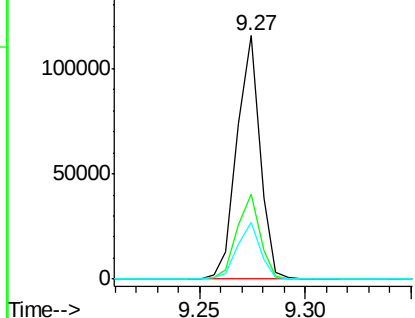
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

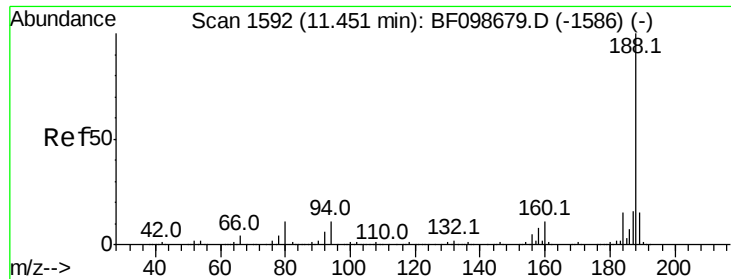


#44
 2-Fluorobiphenyl
 Concen: 7.695 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.6	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





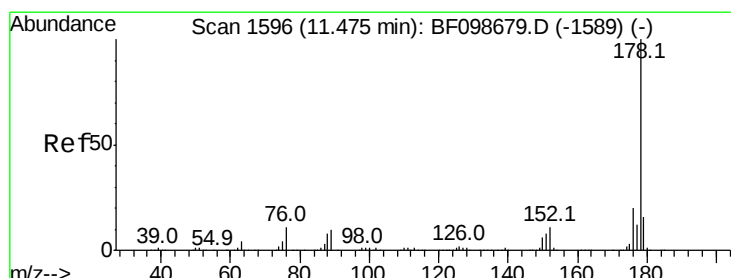
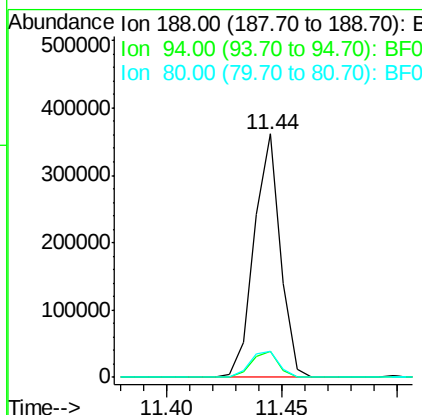
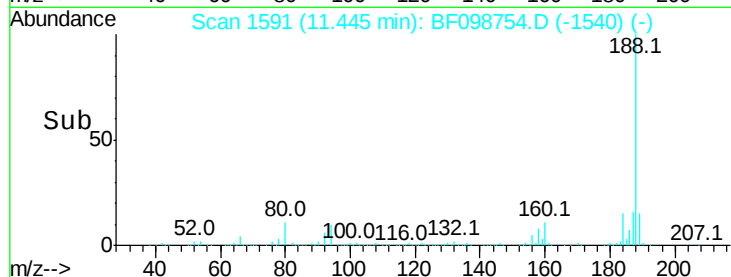
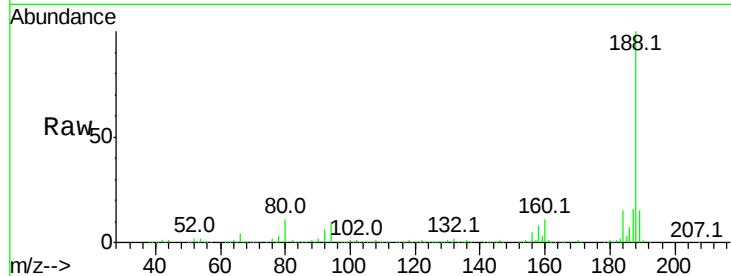
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	287134		
94	10.5		8.5	12.7
80	10.6		9.2	13.8

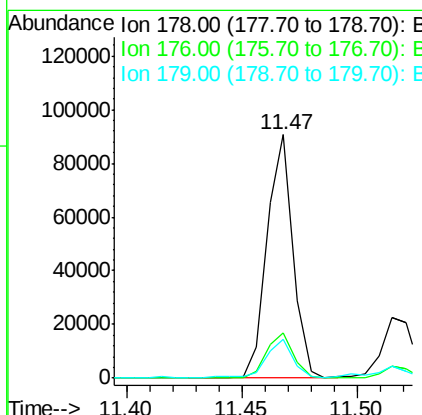
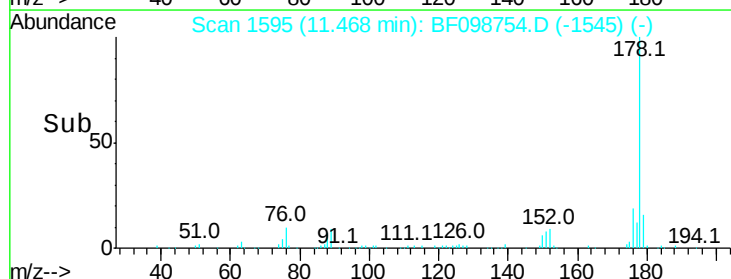
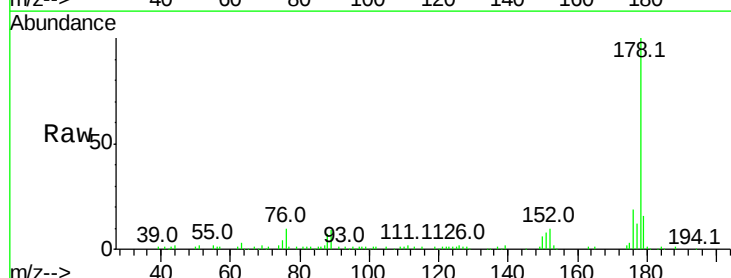
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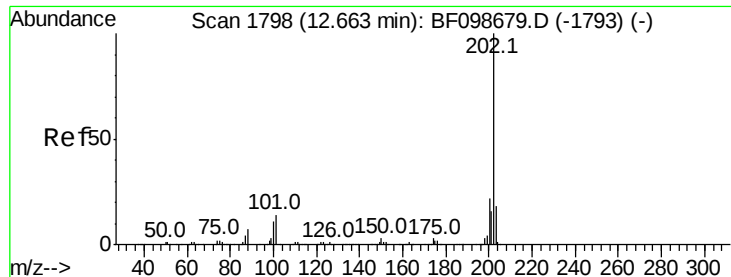
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#70
 Phenanthrene
 Concen: 4.623 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098754.D
 Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	71047		
176	18.7		15.8	23.8
179	15.8		13.0	19.6





#74

Fluoranthene

Concen: 7.440 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Instrument :

BNA_F

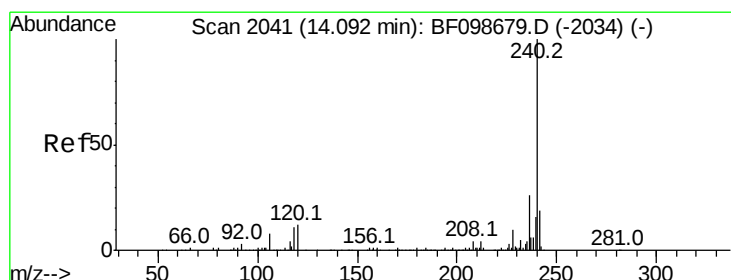
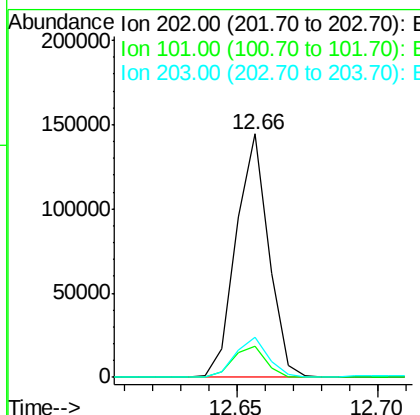
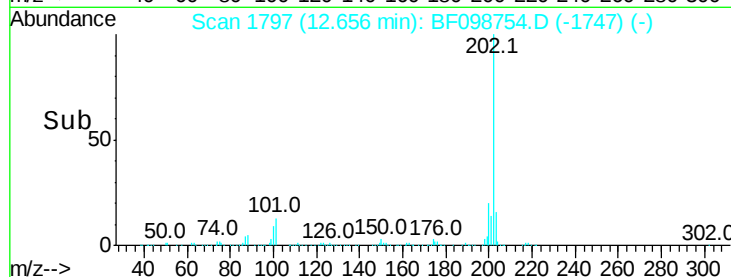
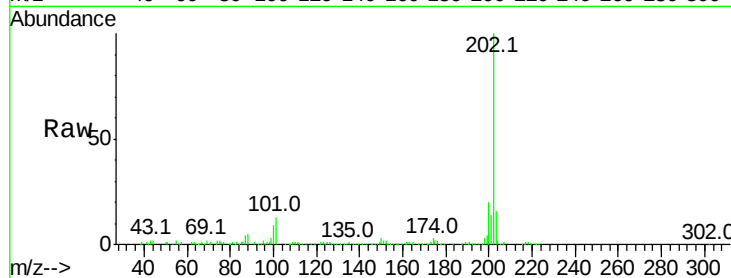
ClientSampleId :

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Tot Ion:	202	Resp:	115797
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	16.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

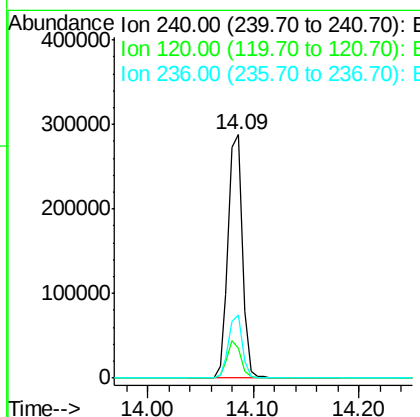
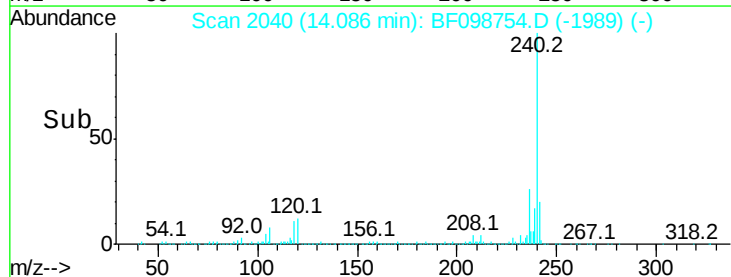
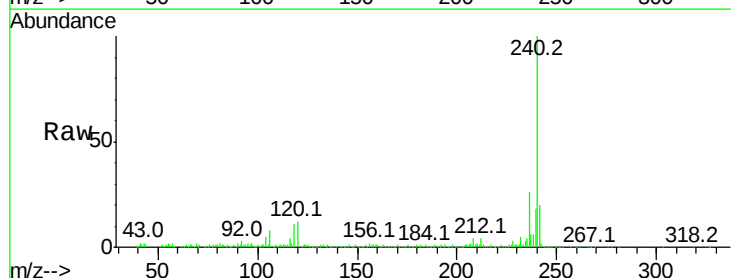
RT: 14.09 min Scan# 2040

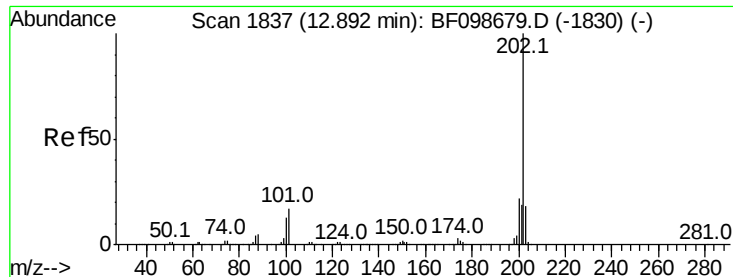
Delta R.T. -0.00 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Tgt Ion:	240	Resp:	273504
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 5.387 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Instrument :

BNA_F

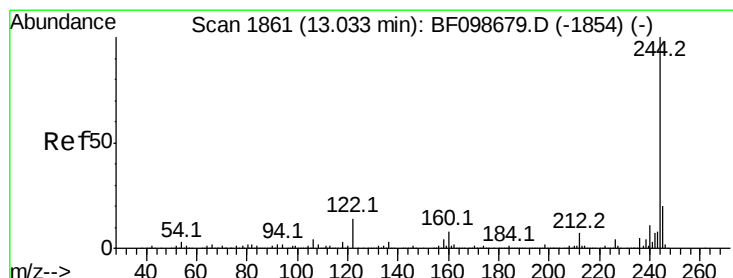
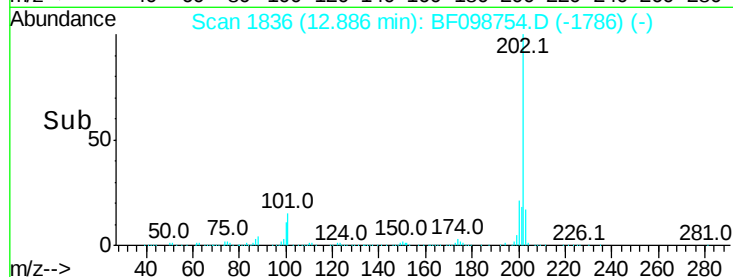
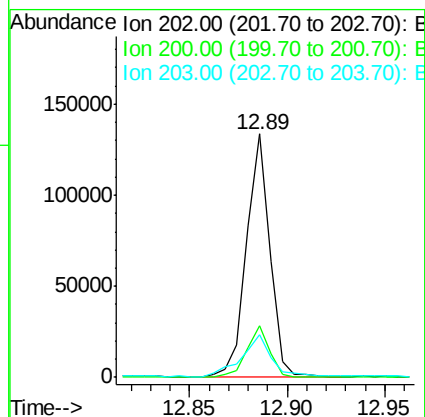
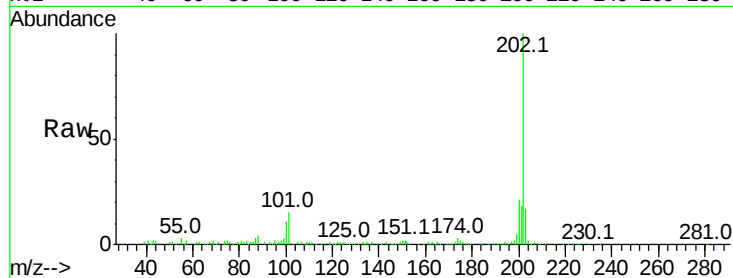
ClientSampleId :

SP-1-B-COMP

Tot Ion:202	Resp:	112345
Ion Ratio	Lower	Upper
202 100		
200 21.0	17.4	26.2
203 17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 5.081 ng

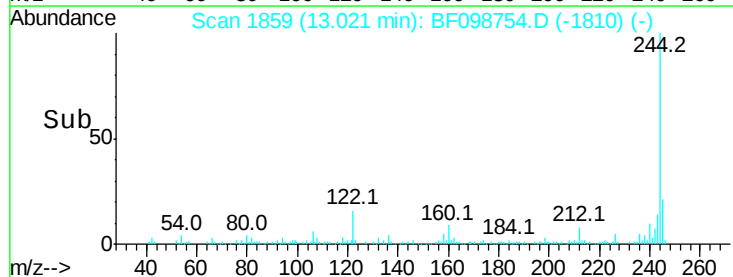
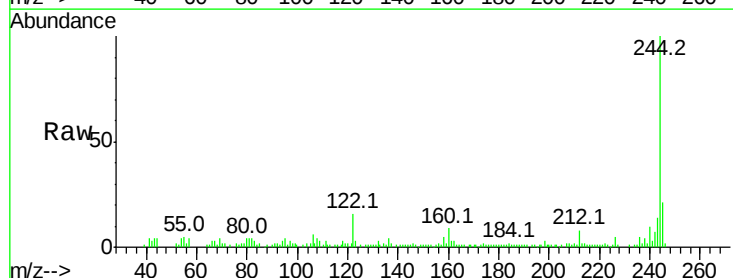
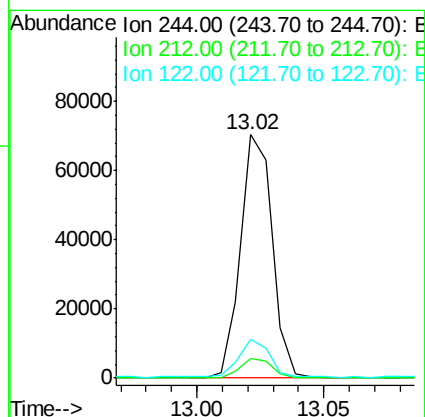
RT: 13.02 min Scan# 1859

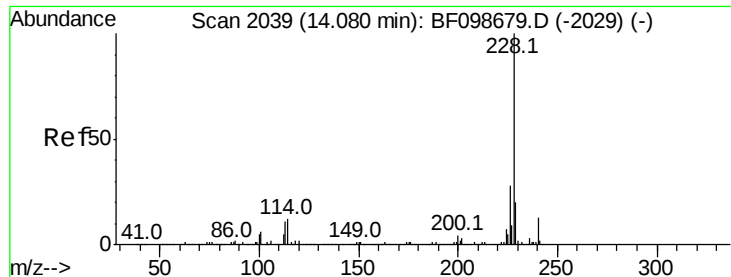
Delta R.T. -0.01 min

Lab File: BF098754.D

Acq: 23 Sep 2017 22:23

Tgt Ion:244	Resp:	61110
Ion Ratio	Lower	Upper
244 100		
212 8.2	5.4	8.0#
122 15.8	11.0	16.4





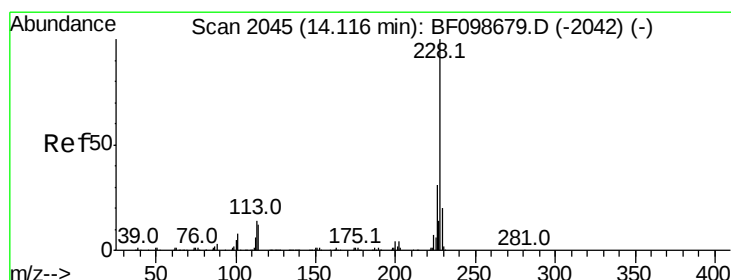
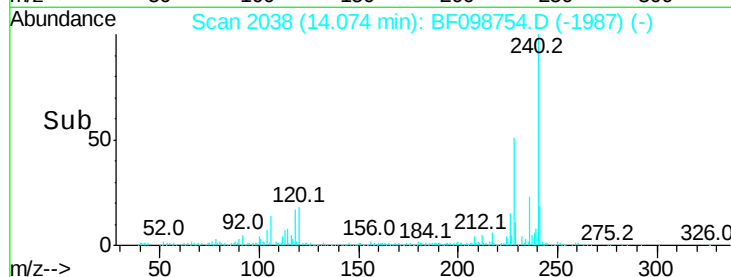
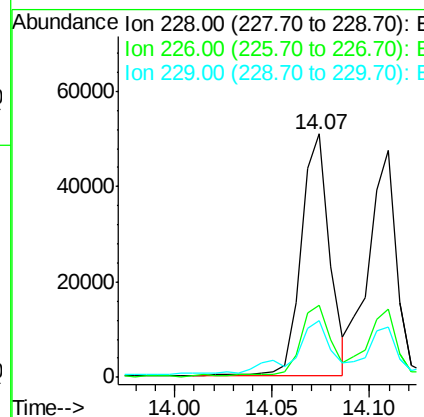
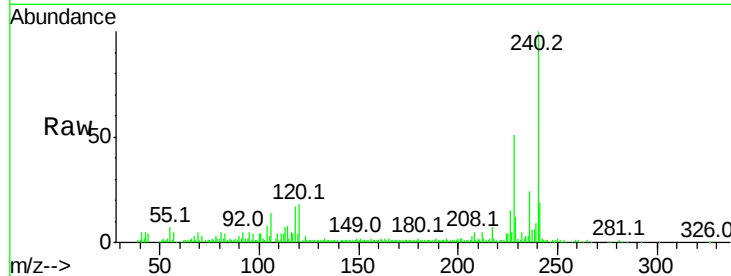
#80
Benzo(a)anthracene
Concen: 3.094 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	23.5	15.8	23.6

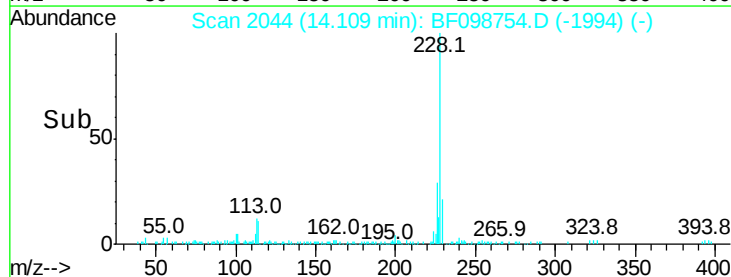
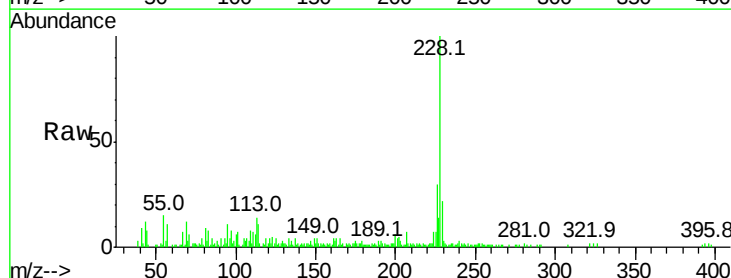
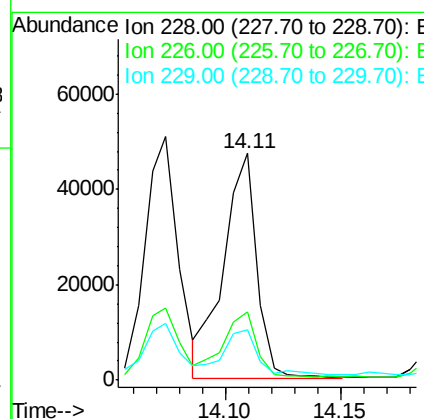
Manual Integrations
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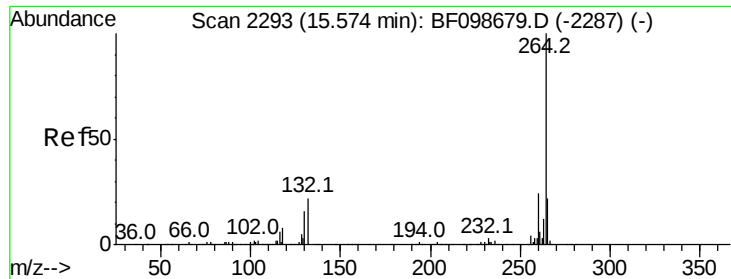
Sohil
9/25/2017 6:26:35 PM



#82
Chrysene
Concen: 3.020 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.5	16.2	24.4





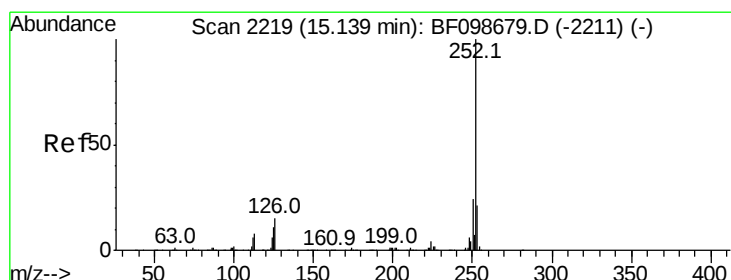
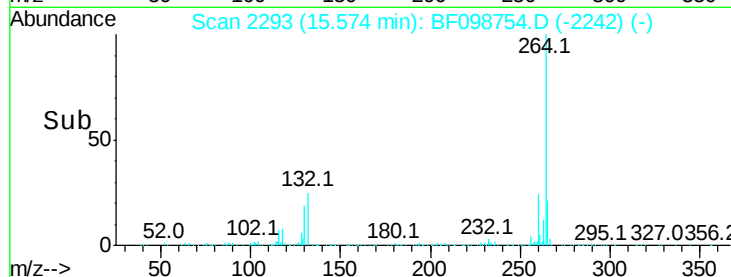
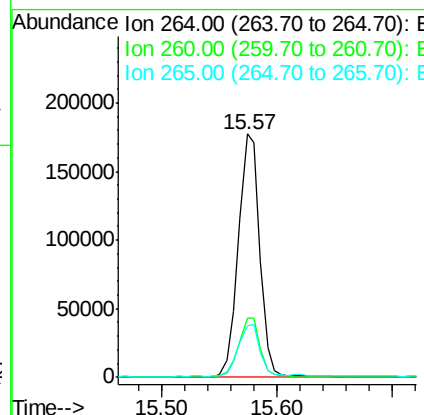
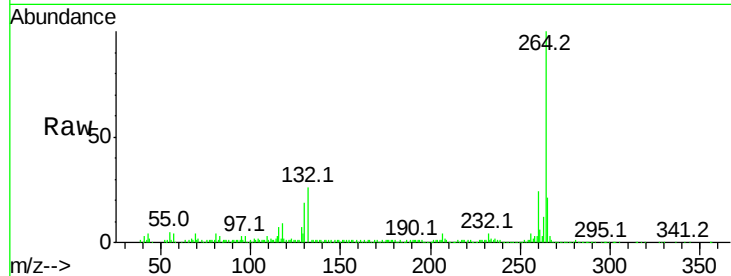
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.1	17.5	26.3

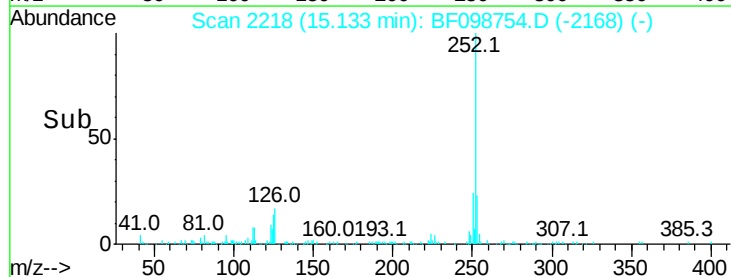
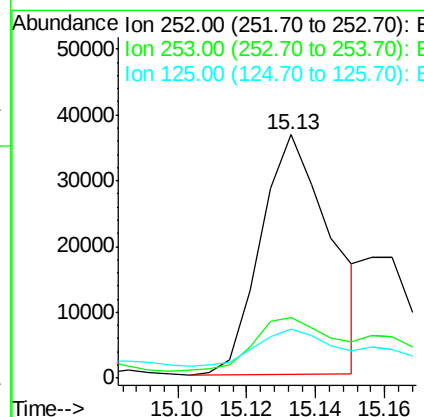
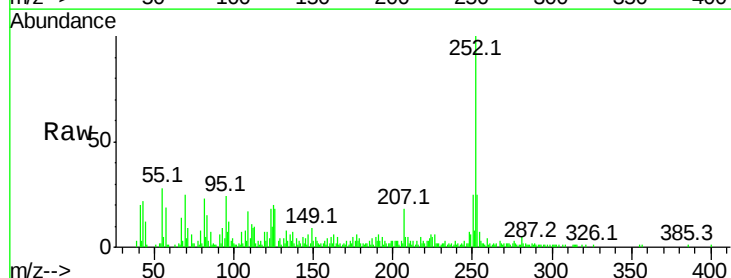
Manual Integrations
APPROVED

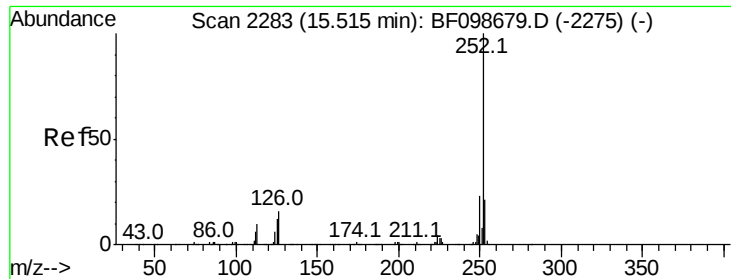
Sohil
9/25/2017 6:26:35 PM



#87
Benzo(b)fluoranthene
Concen: 3.700 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	20.2	9.0	13.6#





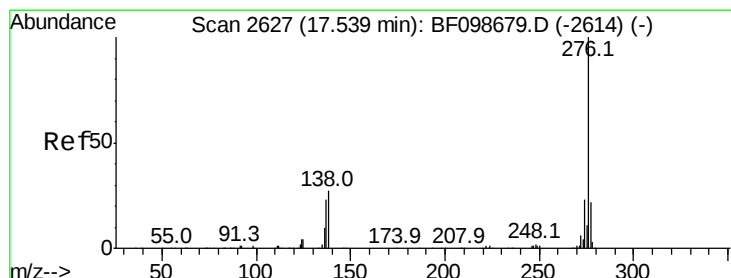
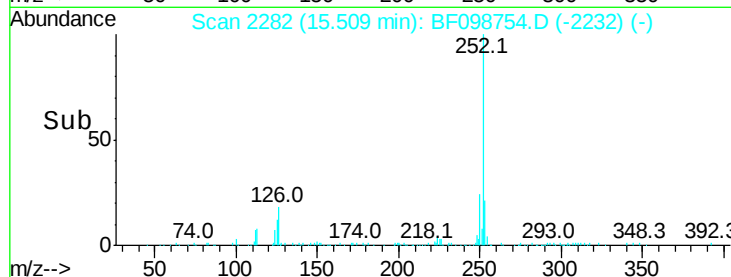
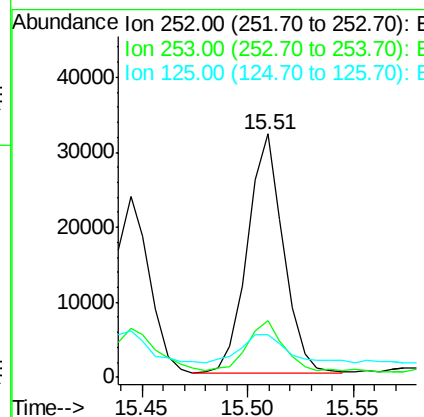
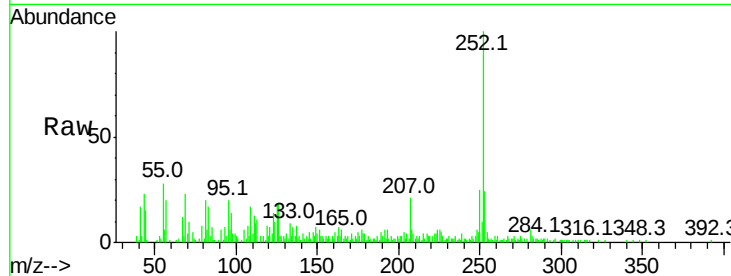
#89
Benzo(a)pyrene
Concen: 2.924 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:35 PM



#91
Benzo(g,h,i)perylene
Concen: 2.147 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF098754.D
Acq: 23 Sep 2017 22:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	28.1	21.8	32.8

