

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098821.D
 Acq On : 26 Sep 2017 9:56
 Operator : SJ/JU
 Sample : I5362-05DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-COMPDL

Manual Integrations
 APPROVED

Sohil
 9/26/2017 4:59:07 PM

Quant Time: Sep 26 11:32:04 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	152023	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	630561	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	283184	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	465273	20.00	ng	0.00
75) Chrysene-d12	14.07	240	264157	20.00	ng	-0.01
86) Perylene-d12	15.56	264	262820	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	189435	19.84	ng	-0.02
7) Phenol-d6	6.52	99	236589	20.08	ng	-0.02
23) Nitrobenzene-d5	7.47	82	135848	13.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	40506	17.48	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	268359	15.82	ng	-0.02
78) Terphenyl-d14	13.02	244	182406	15.70	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	76043	2.568	ng	99
37) 2-Methylnaphthalene	8.90	142	41735	2.168	ng	97
51) Acenaphthene	9.98	154	38156	2.153	ng	99
54) Dibenzofuran	10.15	168	54409	2.306	ng	99
70) Phenanthrene	11.46	178	516379	20.734	ng	99
71) Anthracene	11.51	178	104508	4.101	ng	99
74) Fluoranthene	12.65	202	562809	22.317	ng	99
77) Pyrene	12.88	202	466735	23.171	ng	99
80) Benzo(a)anthracene	14.06	228	215955	13.501	ng	98
82) Chrysene	14.10	228	185735	12.197	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	81334	6.677	ng	96
87) Benzo(b)fluoranthene	15.12	252	236483m	14.635	ng	
88) Benzo(k)fluoranthene	15.15	252	58694m	3.677	ng	
89) Benzo(a)pyrene	15.50	252	152192	10.260	ng	95
91) Benzo(a,h,i)perylene	17.52	276	74057	6.311	ng	96

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

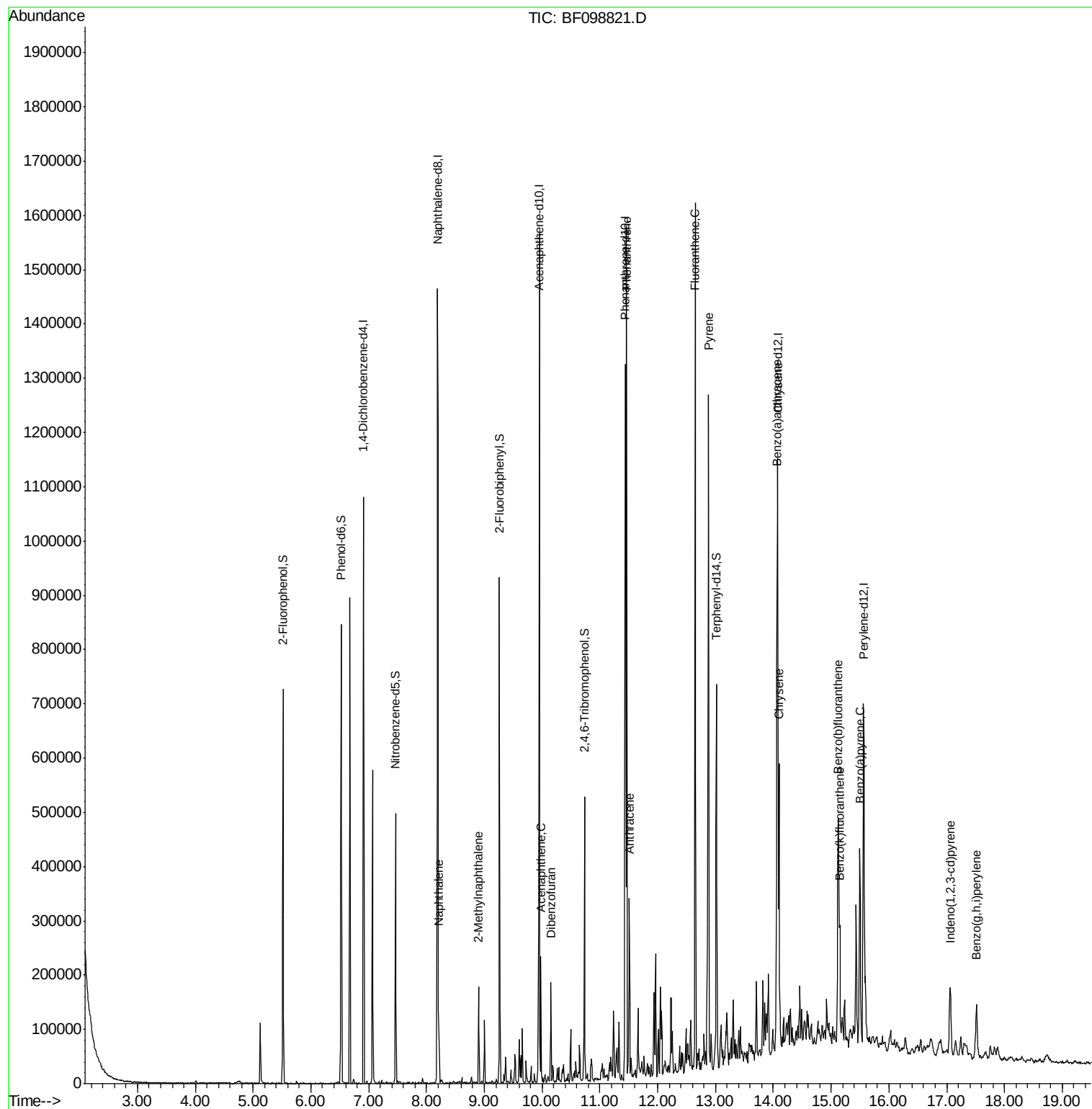
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
Data File : BF098821.D
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Sample : I5362-05DL 5X
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ALS Vial : 35 Sample Multiplier: 1

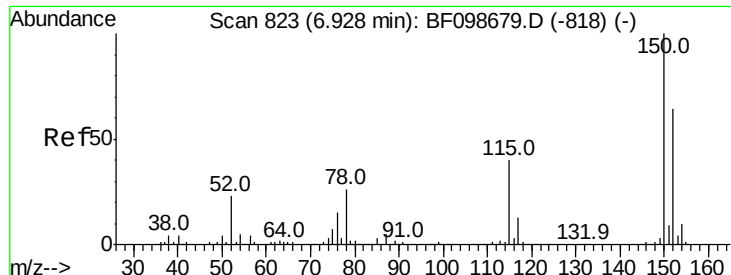
Instrument :
BNA_F
ClientSampleID :
SP-2-C-COMPD

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Quant Time: Sep 26 11:32:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

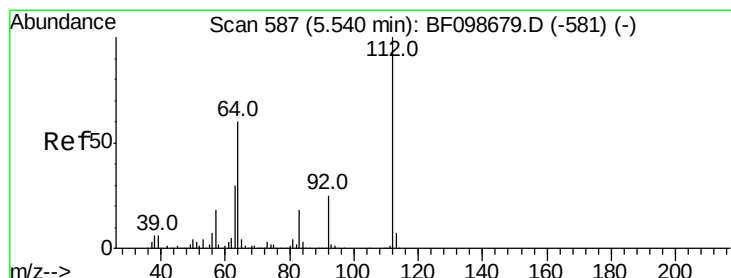
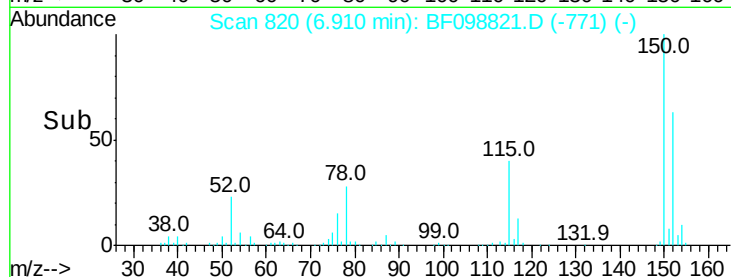
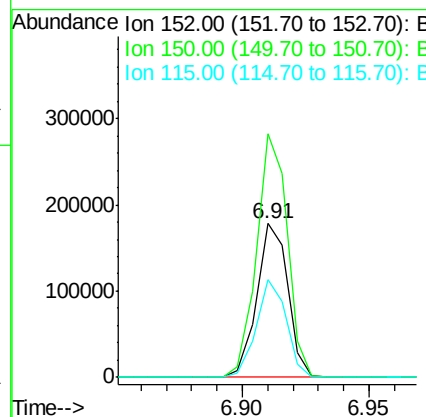
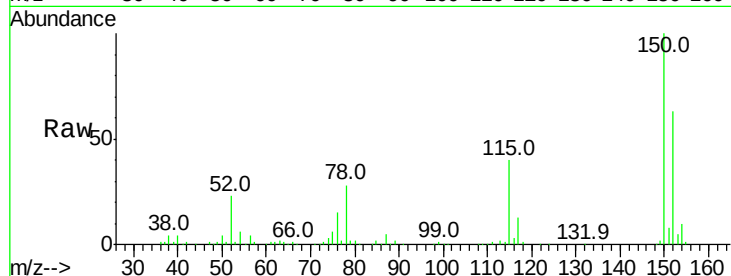
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF098821.D
 Acq: 26 Sep 2017 9:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-COMPLD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	63.2	50.1	75.1

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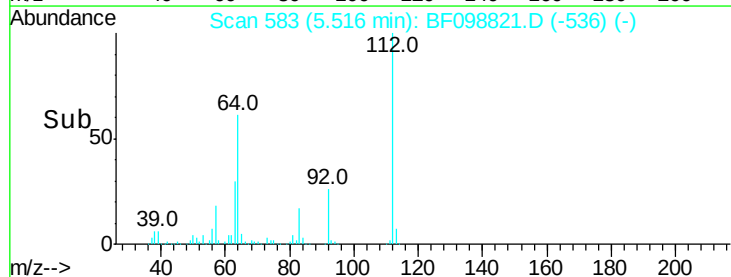
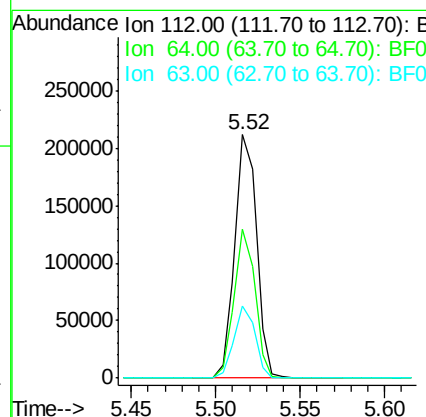
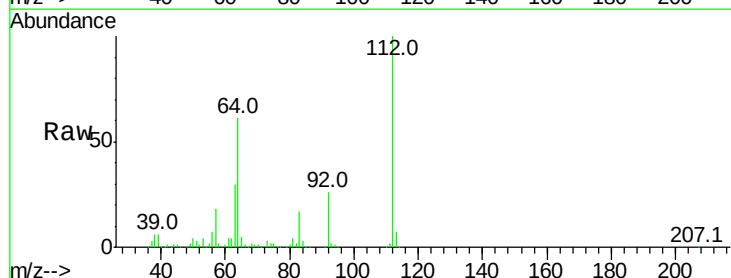
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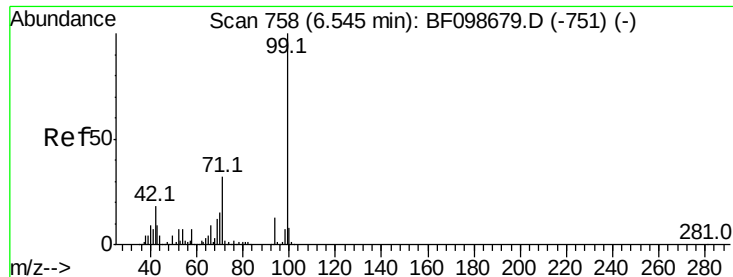


#5

2-Fluorophenol
 Concen: 19.837 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF098821.D
 Acq: 26 Sep 2017 9:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 20.083 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

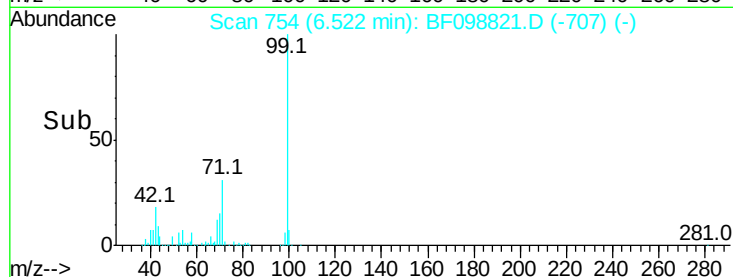
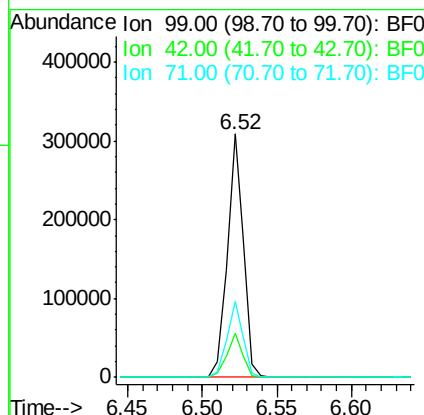
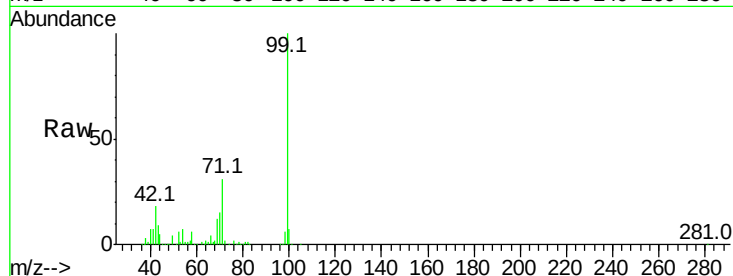
ClientSampleId :

SP-2-C-COMPD

Tot Ion:	99	Resp:	236589
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

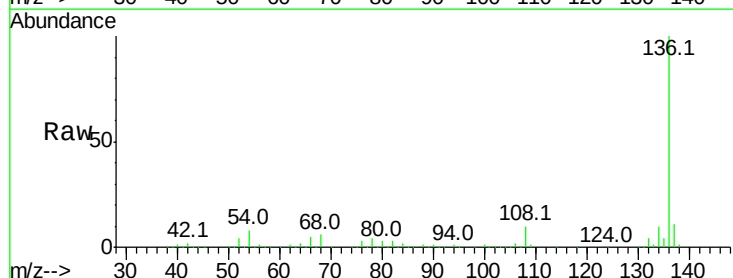
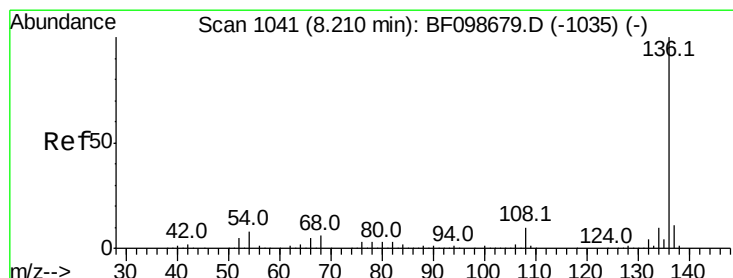
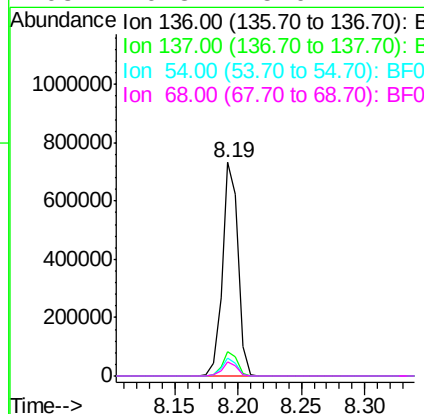
RT: 8.19 min Scan# 1038

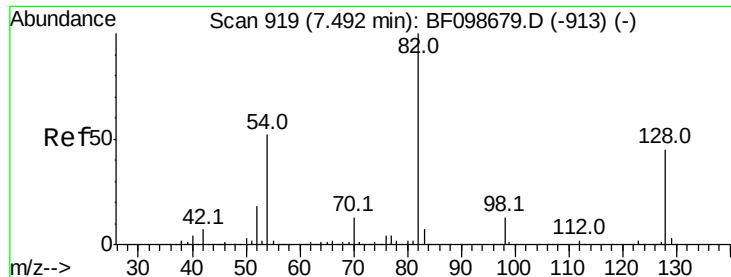
Delta R.T. -0.01 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion:	136	Resp:	630561
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4





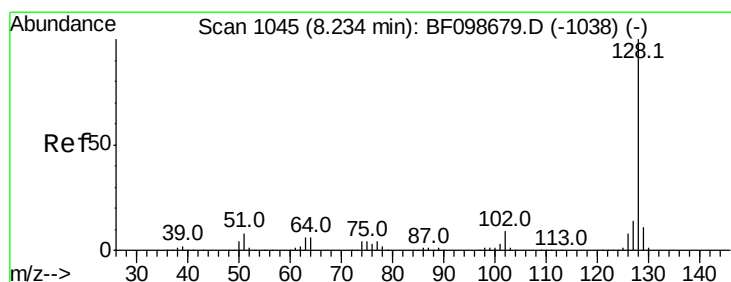
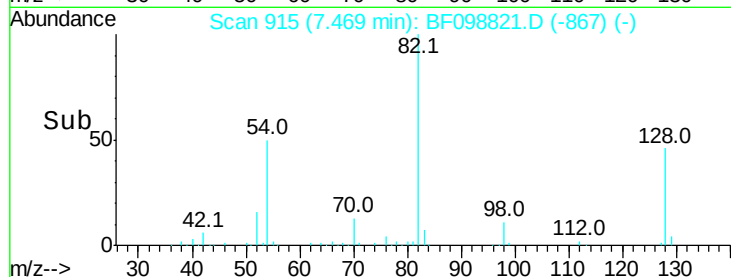
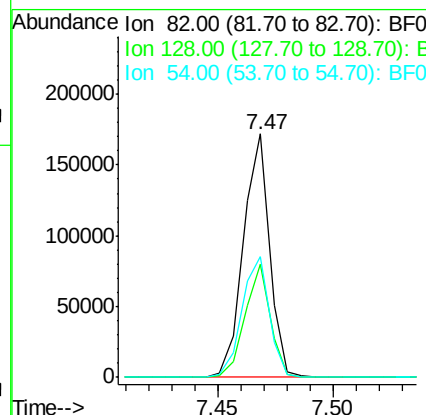
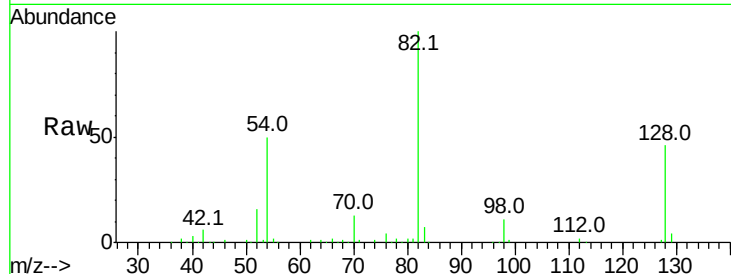
#23
Nitrobenzene-d5
Concen: 13.816 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Instrument :
BNA_F
ClientSampleId :
SP-2-C-COMPD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	49.7	41.4	62.2

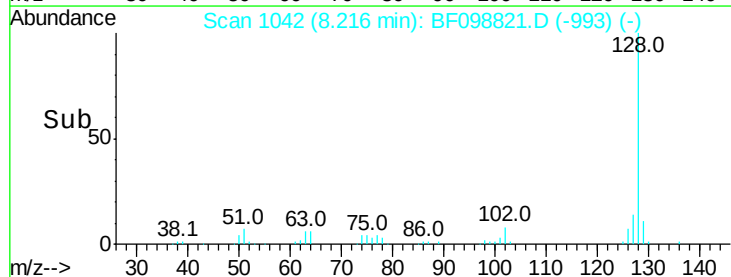
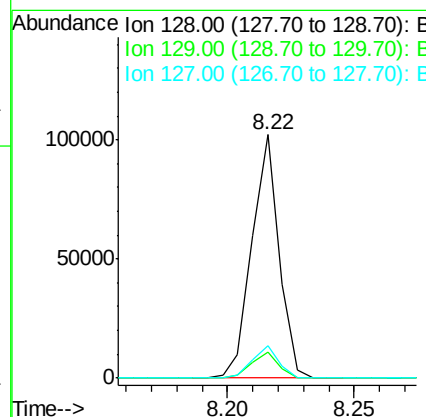
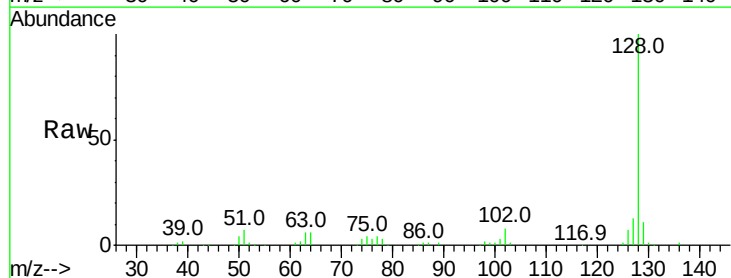
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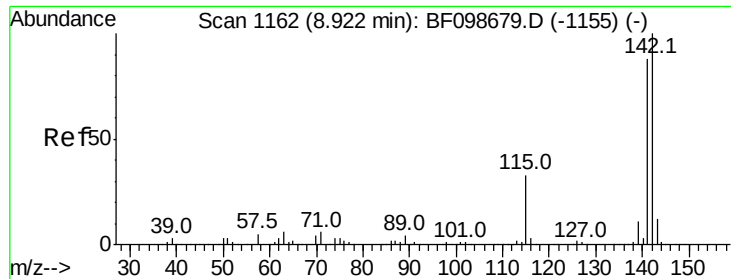
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#31
Naphthalene
Concen: 2.568 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.5	10.9	16.3





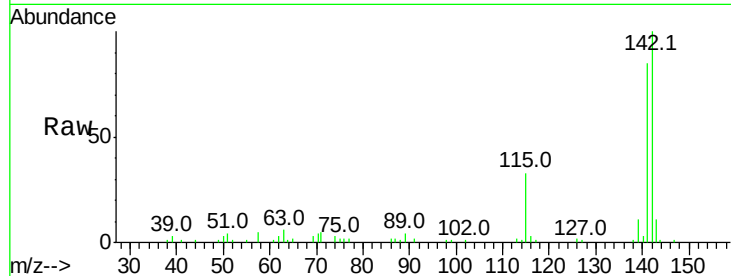
#37
2-Methylnaphthalene
Concen: 2.168 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Instrument :
BNA_F
ClientSampleId :
SP-2-C-COMPD

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.8	106.2
115	32.5	26.1	39.1

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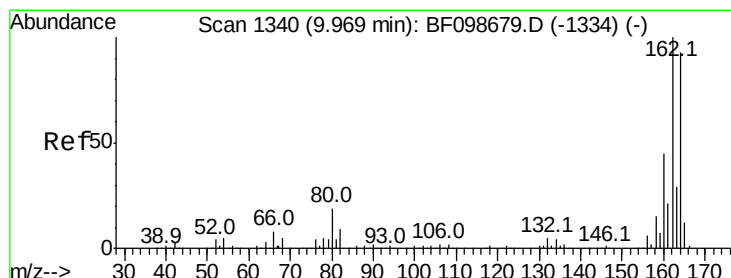
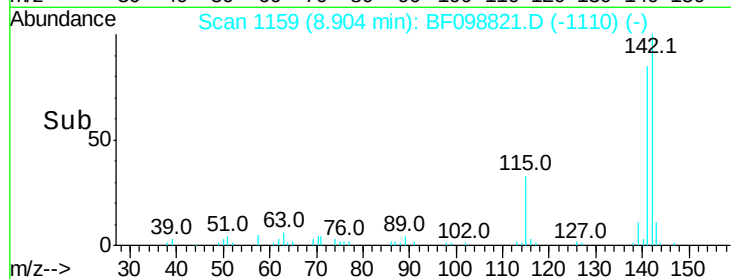
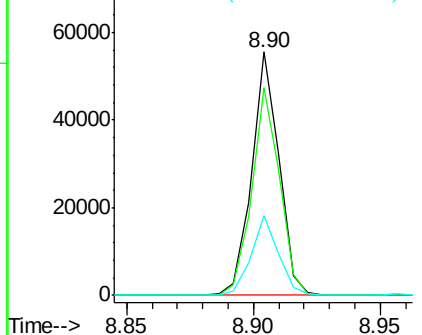


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

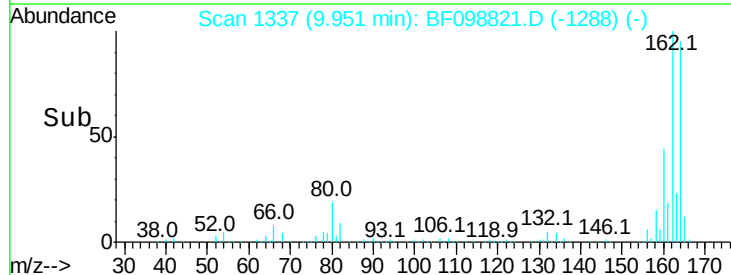
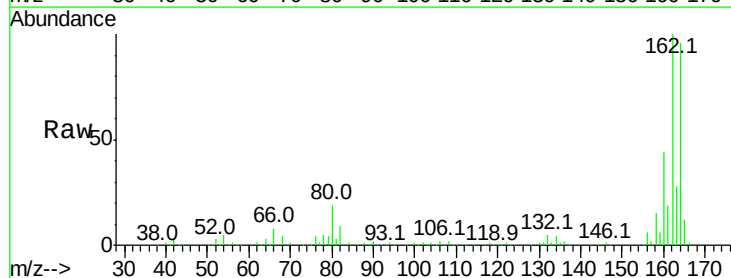
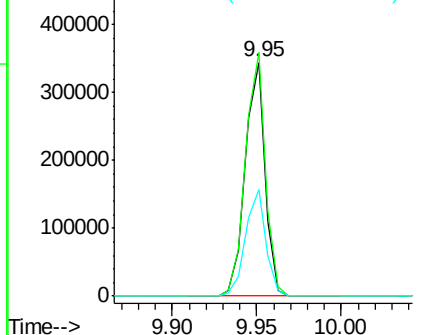
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.9	38.3	57.5

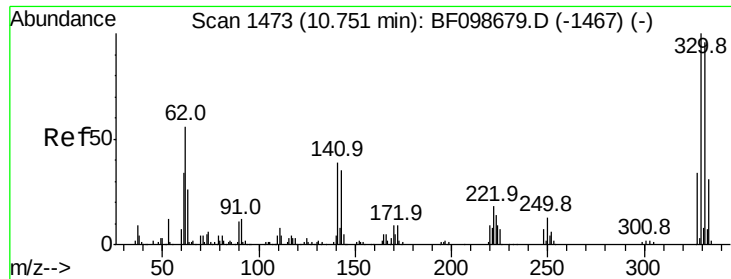
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 17.480 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

ClientSampleId :

SP-2-C-COMPLD

Tot Ion:330 Resp: 40506

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

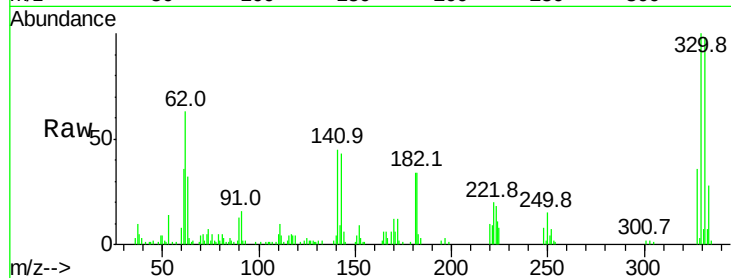
141 50.2 29.9 44.9#

Manual Integrations

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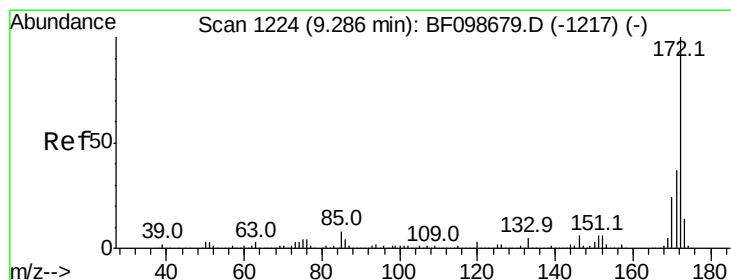
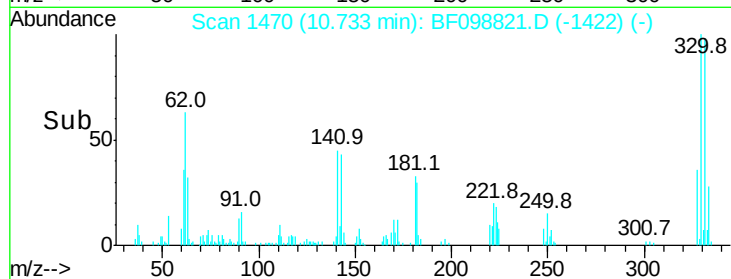
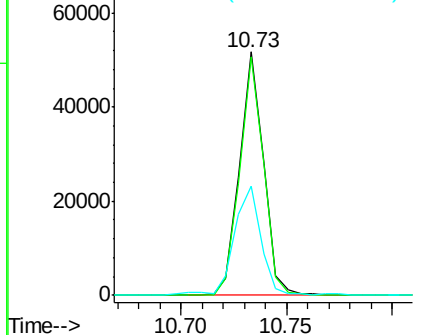
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 15.820 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

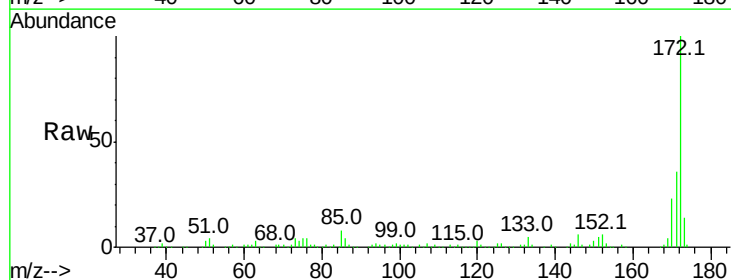
Tgt Ion:172 Resp: 268359

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

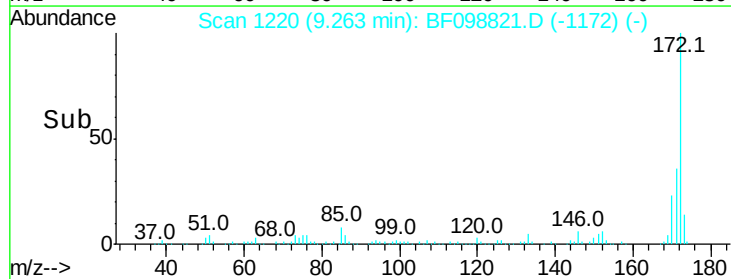
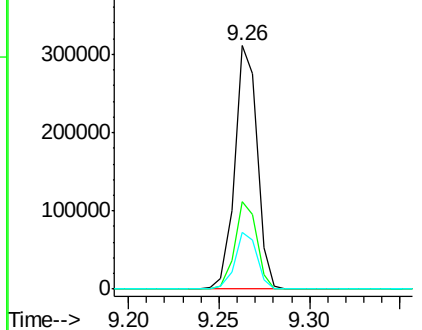
170 23.5 19.6 29.4

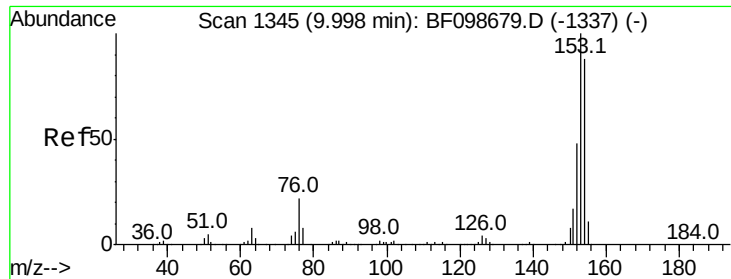


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.153 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

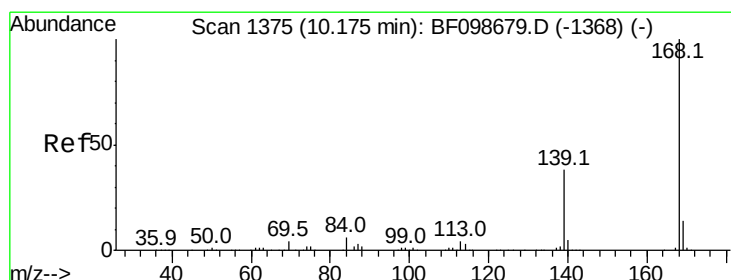
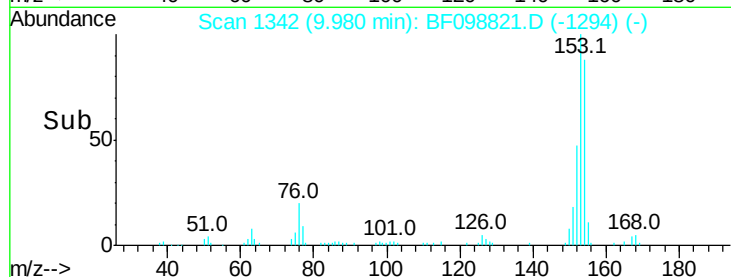
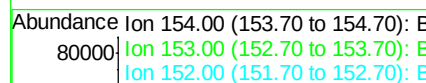
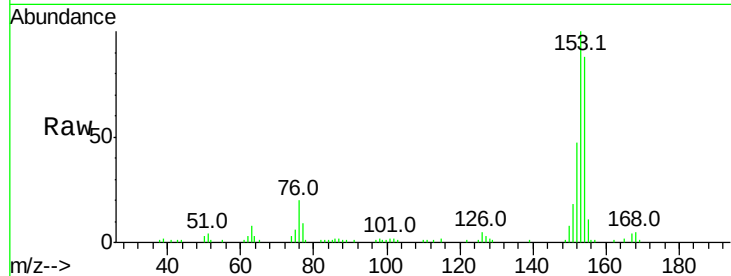
ClientSampleId :

SP-2-C-COMPD

Tot Ion:	154	Resp:	38156
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	53.0	43.8	65.8

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#54

Dibenzofuran

Concen: 2.306 ng

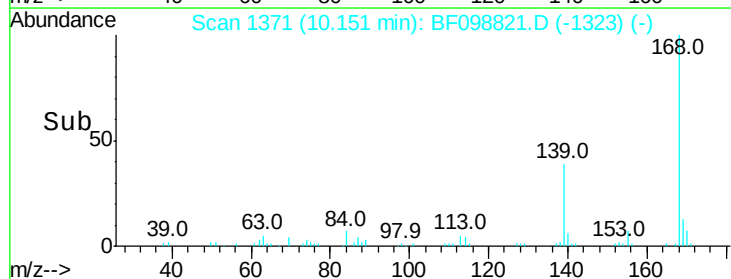
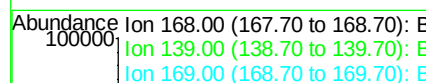
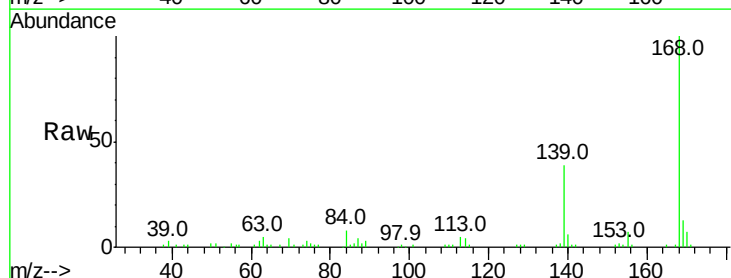
RT: 10.15 min Scan# 1371

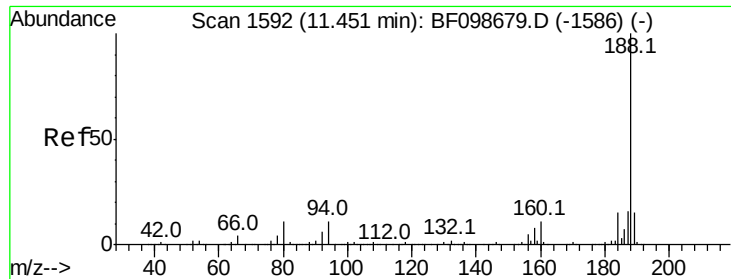
Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion:	168	Resp:	54409
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.1	45.1
169	13.4	10.9	16.3





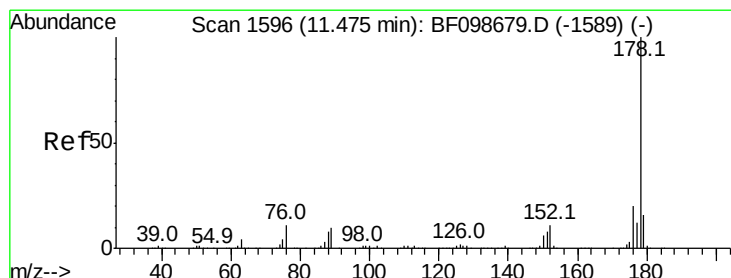
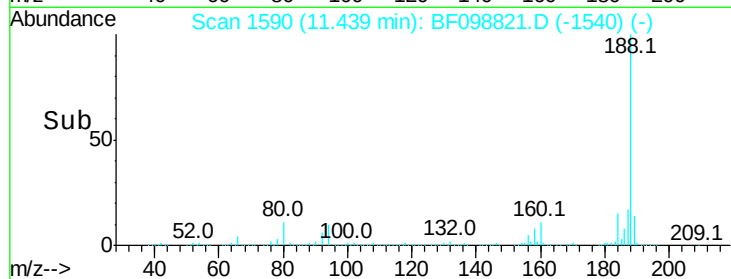
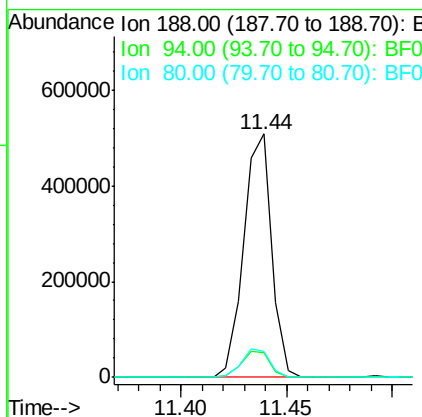
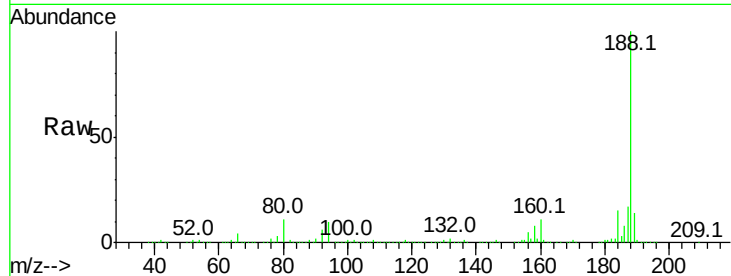
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Instrument :
BNA_F
ClientSampleId :
SP-2-C-COMPD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	465273		
94	10.2		8.5	12.7
80	10.7		9.2	13.8

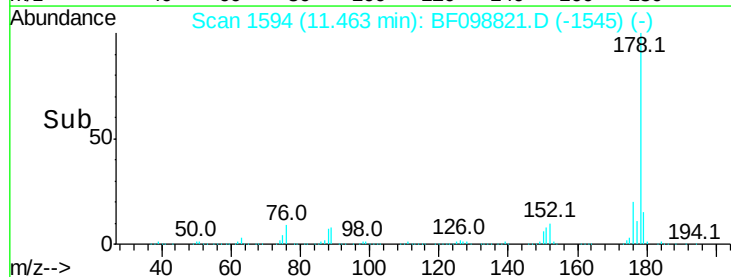
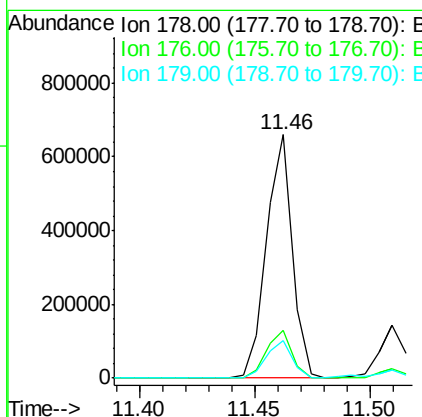
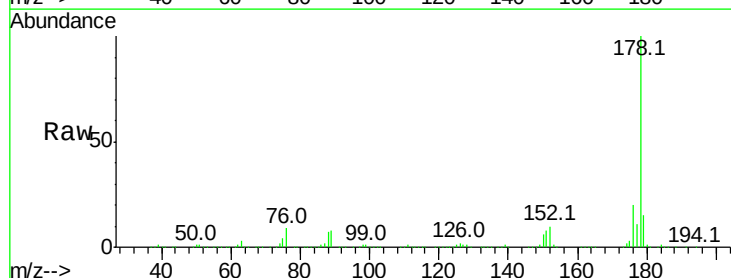
Manual Integrations
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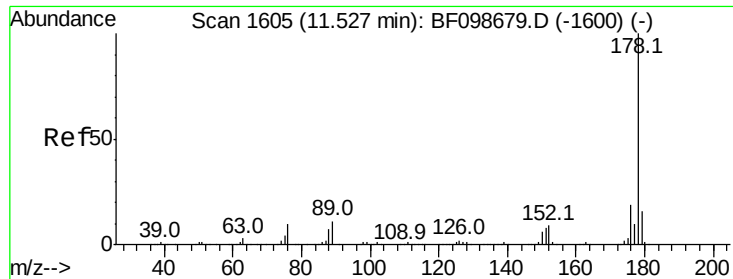
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#70
Phenanthrene
Concen: 20.734 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	516379		
176	19.5		15.8	23.8
179	15.4		13.0	19.6





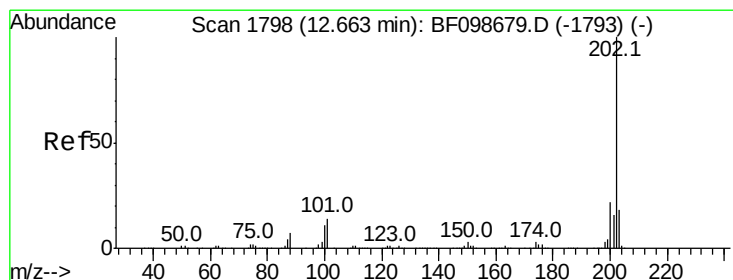
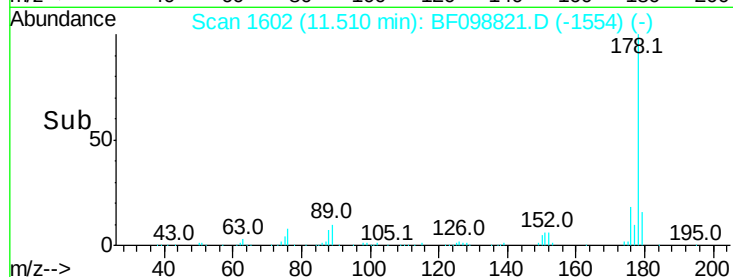
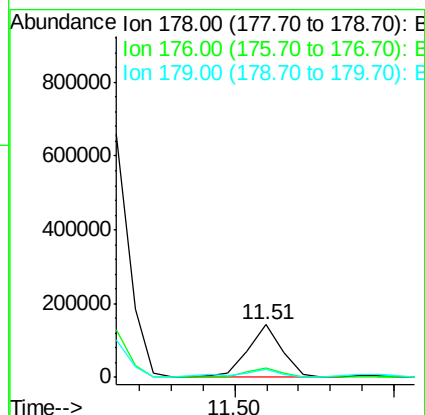
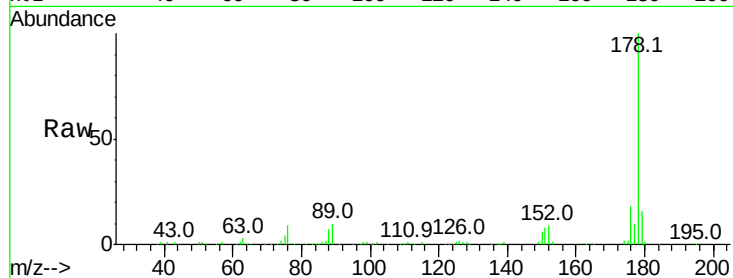
#71
 Anthracene
 Concen: 4.101 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.02 min
 Lab File: BF098821.D
 Acq: 26 Sep 2017 9:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.0	12.6	19.0

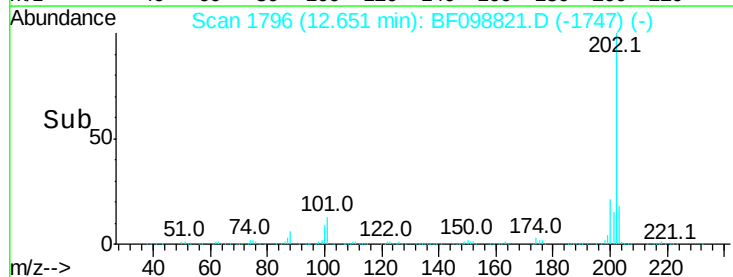
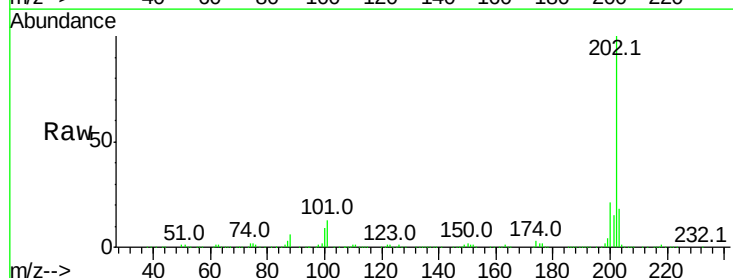
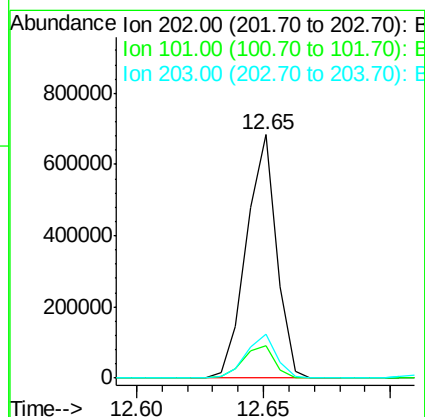
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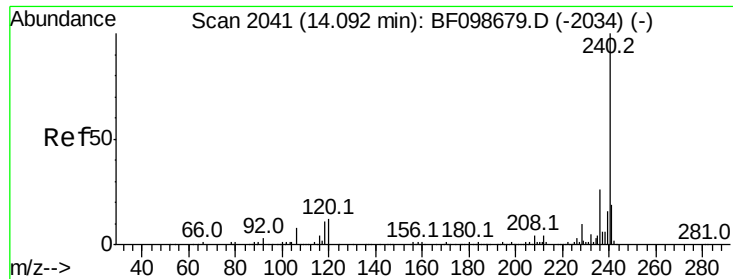
Sohil
 9/26/2017 4:59:07 PM



#74
 Fluoranthene
 Concen: 22.317 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF098821.D
 Acq: 26 Sep 2017 9:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

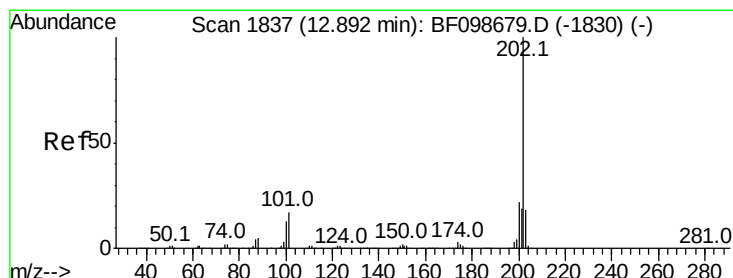
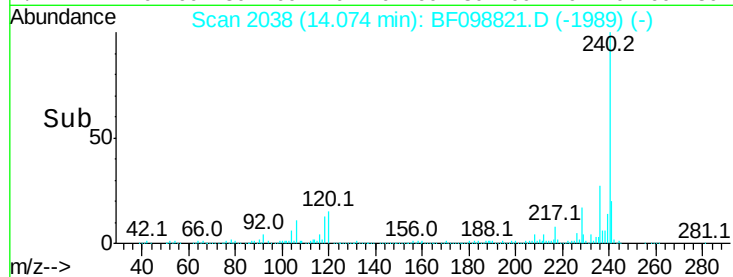
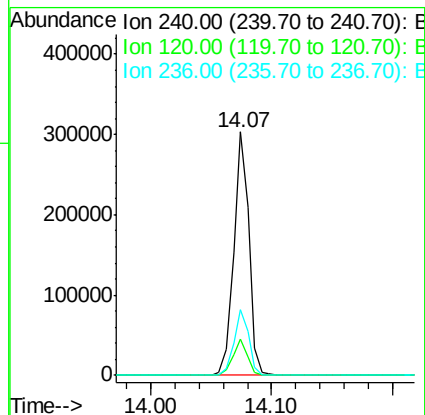
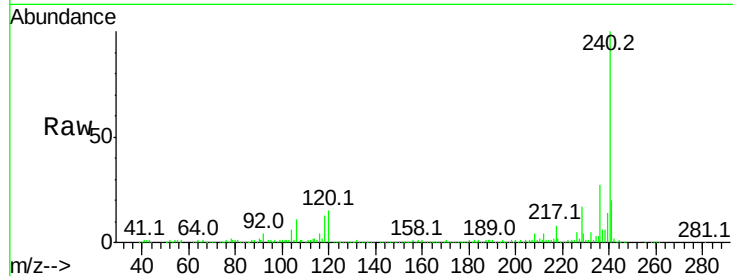
ClientSampleId :

SP-2-C-COMPDL

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.1	9.5	14.3#
236	26.8	20.7	31.1

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#77

Pyrene

Concen: 23.171 ng

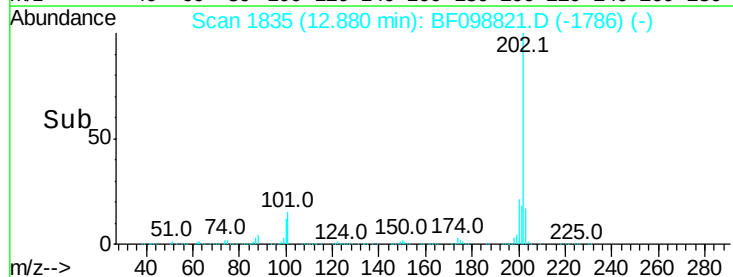
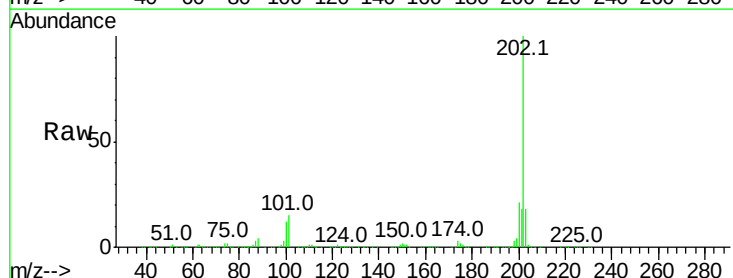
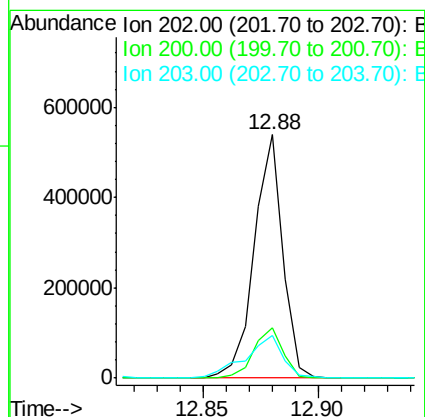
RT: 12.88 min Scan# 1835

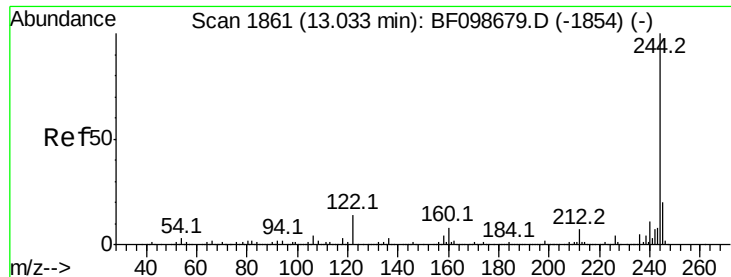
Delta R.T. -0.01 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 15.704 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

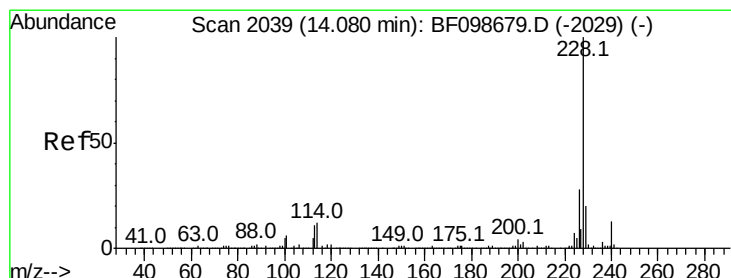
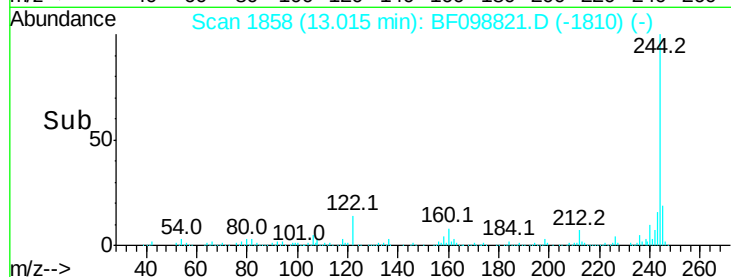
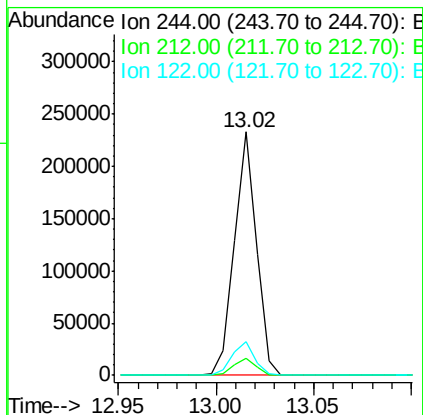
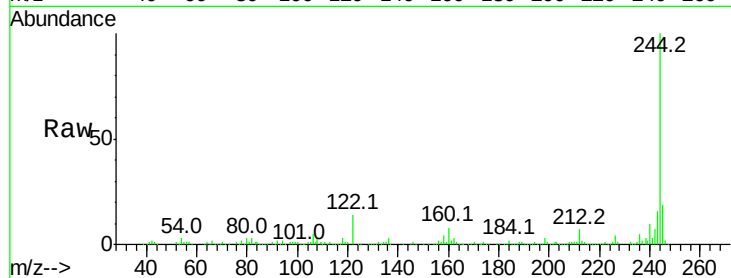
ClientSampleId :

SP-2-C-COMPD

Tot Ion:	244	Resp:	182406
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	13.9	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 13.501 ng

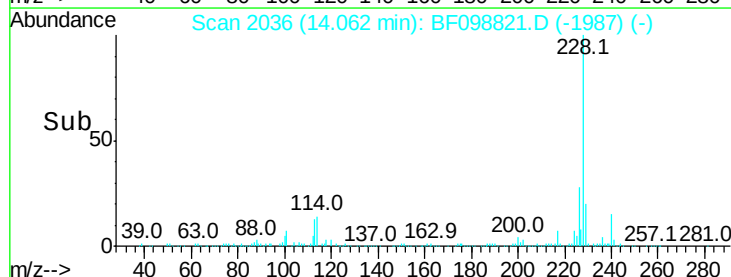
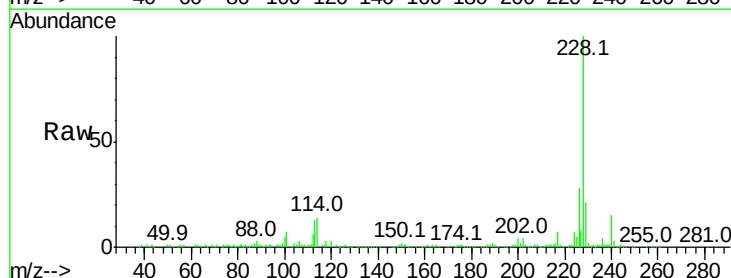
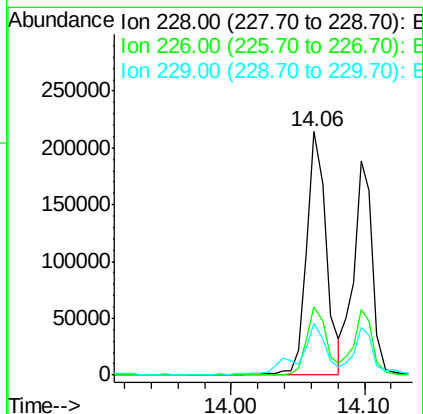
RT: 14.06 min Scan# 2036

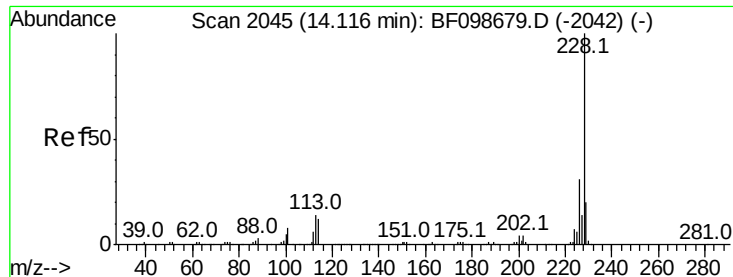
Delta R.T. -0.01 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion:	228	Resp:	215955
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 12.197 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

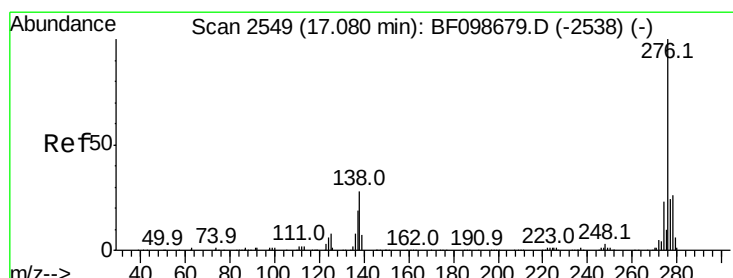
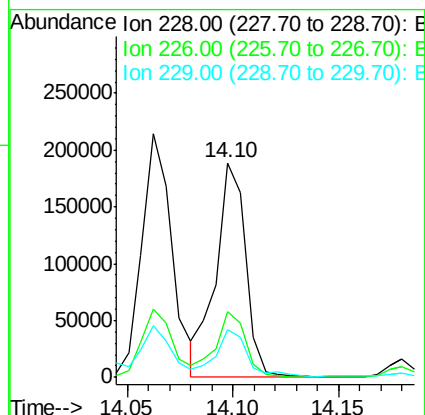
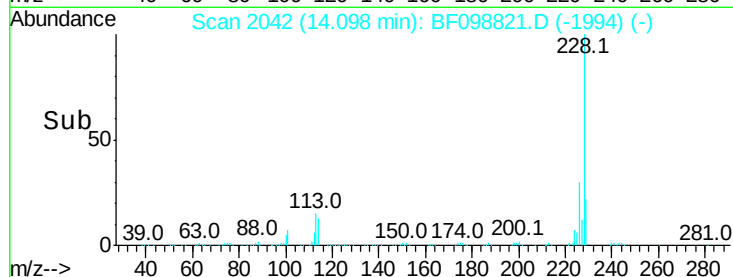
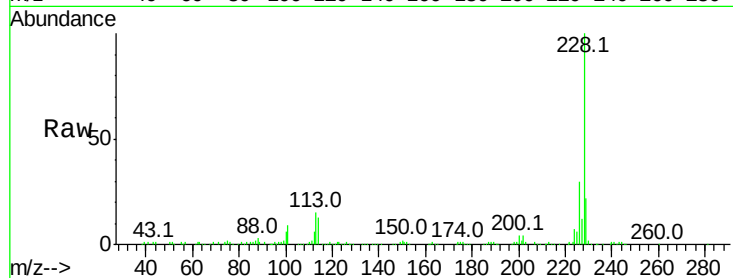
ClientSampleId :

SP-2-C-COMPL

Tot Ion:	228	Resp:	185735
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.677 ng

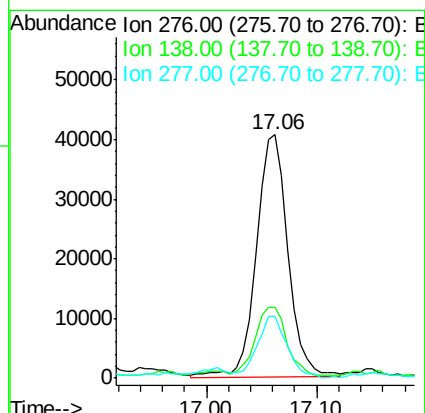
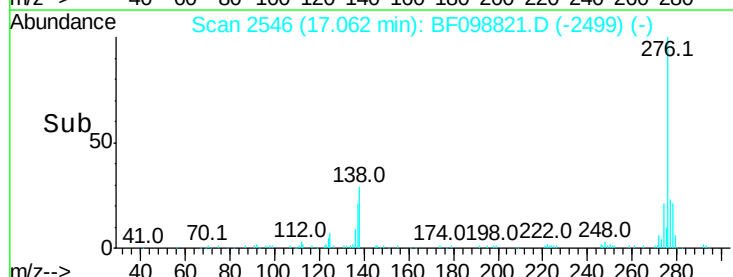
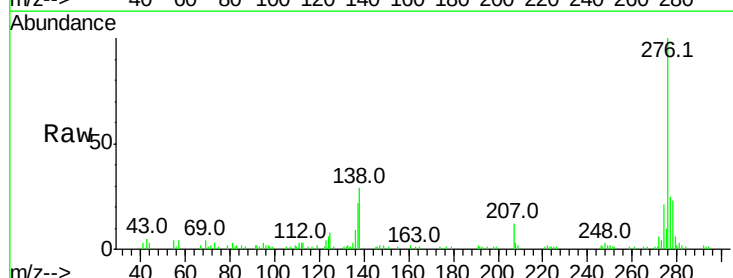
RT: 17.06 min Scan# 2546

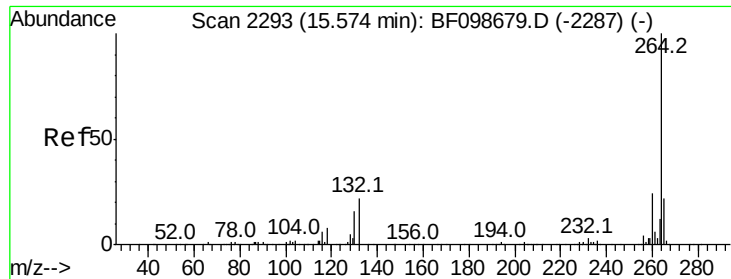
Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion:	276	Resp:	81334
Ion Ratio	Lower	Upper	
276	100		
138	27.7	25.0	37.6
277	24.2	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Instrument :

BNA_F

ClientSampleId :

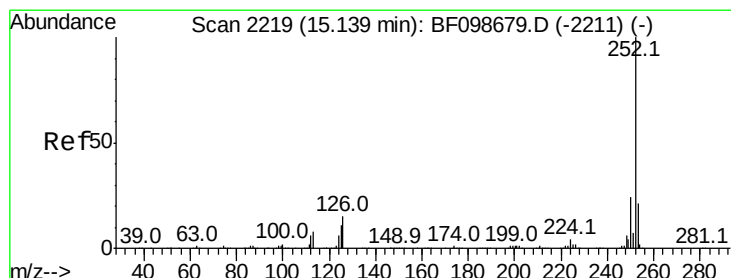
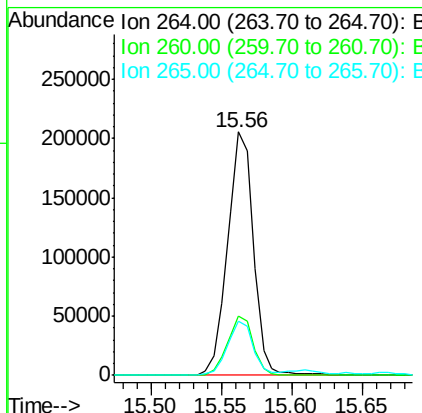
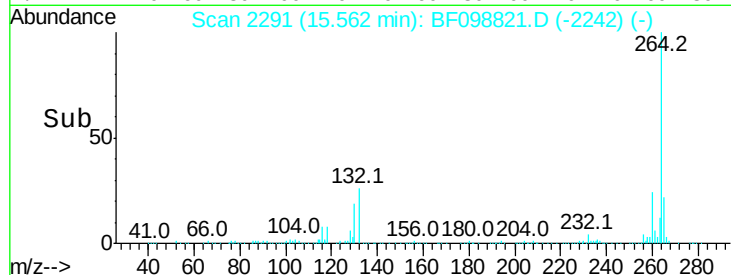
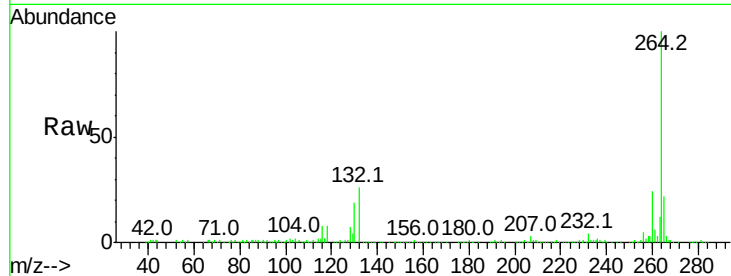
SP-2-C-COMPDL

Tot Ion:	264	Resp:	262820
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 14.635 ng m

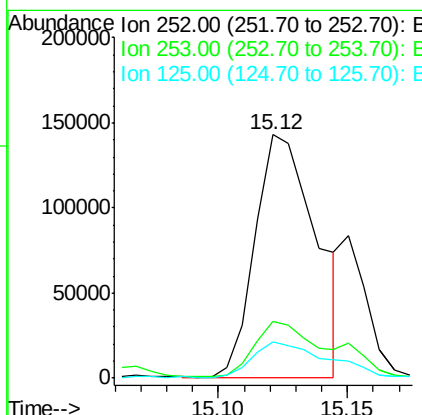
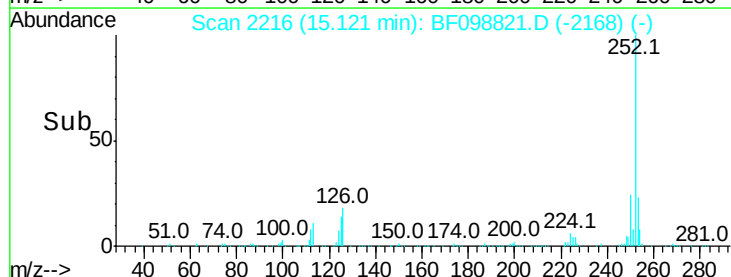
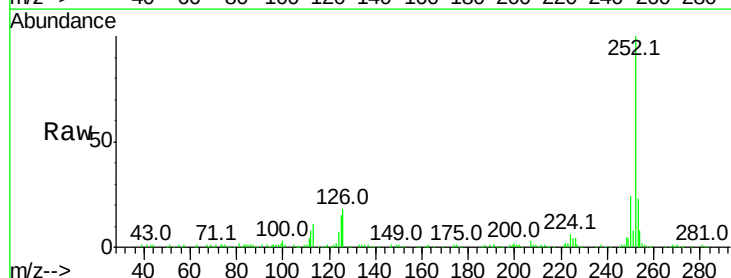
RT: 15.12 min Scan# 2216

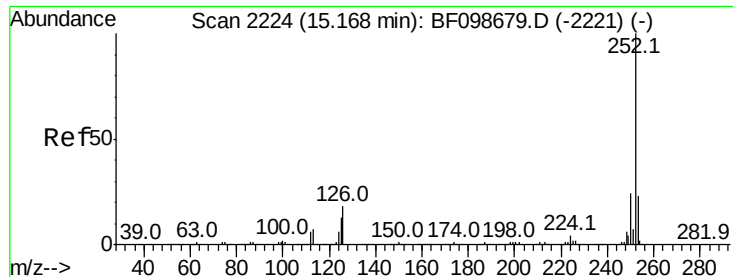
Delta R.T. -0.02 min

Lab File: BF098821.D

Acq: 26 Sep 2017 9:56

Tgt Ion:	252	Resp:	236483
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.7	9.0	13.6#





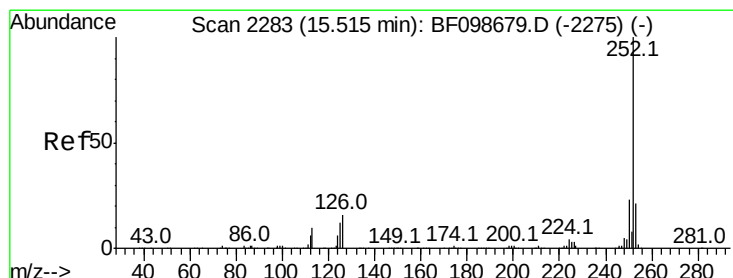
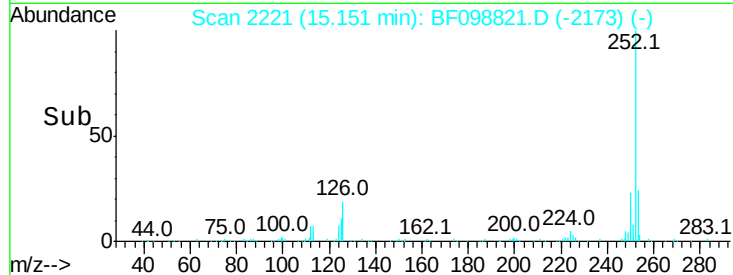
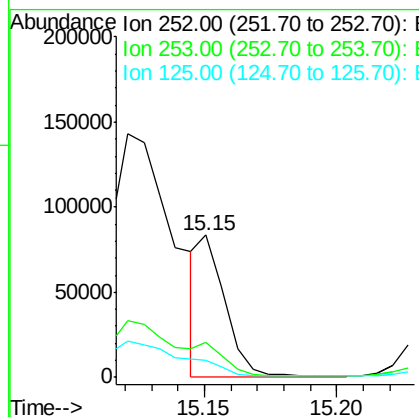
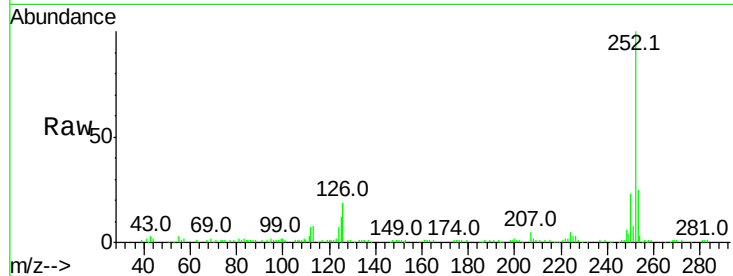
#88
Benzo(k)fluoranthene
Concen: 3.677 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Instrument :
BNA_F
ClientSampleId :
SP-2-C-COMPD

Tot Ion:	252	Resp:	58694
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	12.2	10.2	15.2

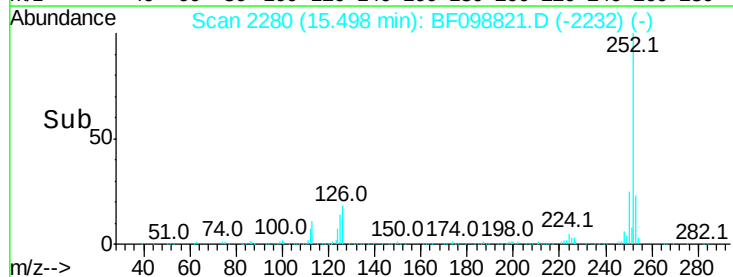
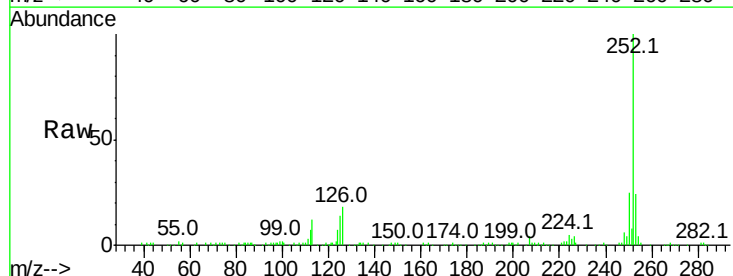
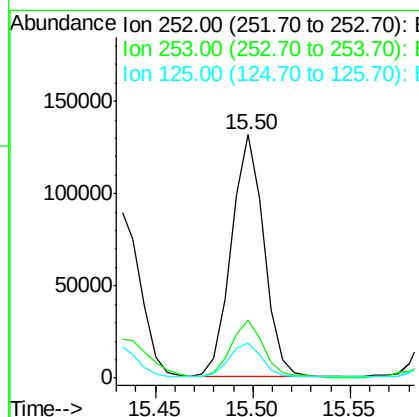
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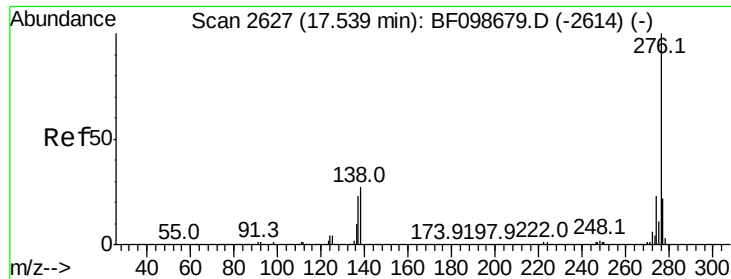
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#89
Benzo(a)pyrene
Concen: 10.260 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098821.D
Acq: 26 Sep 2017 9:56

Tgt Ion:	252	Resp:	152192
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	14.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.311 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098821.D
 Acq: 26 Sep 2017 9:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-COMPD

Tot Ion:	276	Resp:	74057
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	29.4	21.8	32.8

Manual Integrations
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