

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098927.D
 Acq On : 29 Sep 2017 00:48
 Operator : SJ/JU
 Sample : I5457-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-3-092617

Manual Integrations
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Quant Time: Sep 29 02:58:26 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	147738	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	552363	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	212106	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	314255	20.00	ng	0.00
75) Chrysene-d12	14.09	240	269875	20.00	ng	0.00
86) Perylene-d12	15.58	264	235303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	506157	54.54	ng	0.00
7) Phenol-d6	6.54	99	583719	50.99	ng	0.00
23) Nitrobenzene-d5	7.47	82	345376	40.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	75823	43.69	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	568488	44.74	ng	-0.01
78) Terphenyl-d14	13.02	244	377407	31.80	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.66	163	108746	6.793	ng	Qvalue 100
70) Phenanthrene	11.46	178	148248	8.813	ng	98
71) Anthracene	11.52	178	40817	2.372	ng	99
74) Fluoranthene	12.66	202	345843	20.304	ng	97
77) Pyrene	12.89	202	318157	15.460	ng	99
80) Benzo(a)anthracene	14.07	228	173919	10.643	ng	99
82) Chrysene	14.11	228	158695	10.200	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	65554	5.267	ng	99
87) Benzo(b)fluoranthene	15.14	252	212640m	14.698	ng	
88) Benzo(k)fluoranthene	15.16	252	57789m	4.044	ng	
89) Benzo(a)pyrene	15.52	252	131646	9.913	ng	# 95
91) Benzo(a,h,i)perylene	17.54	276	60976	5.804	ng	96

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

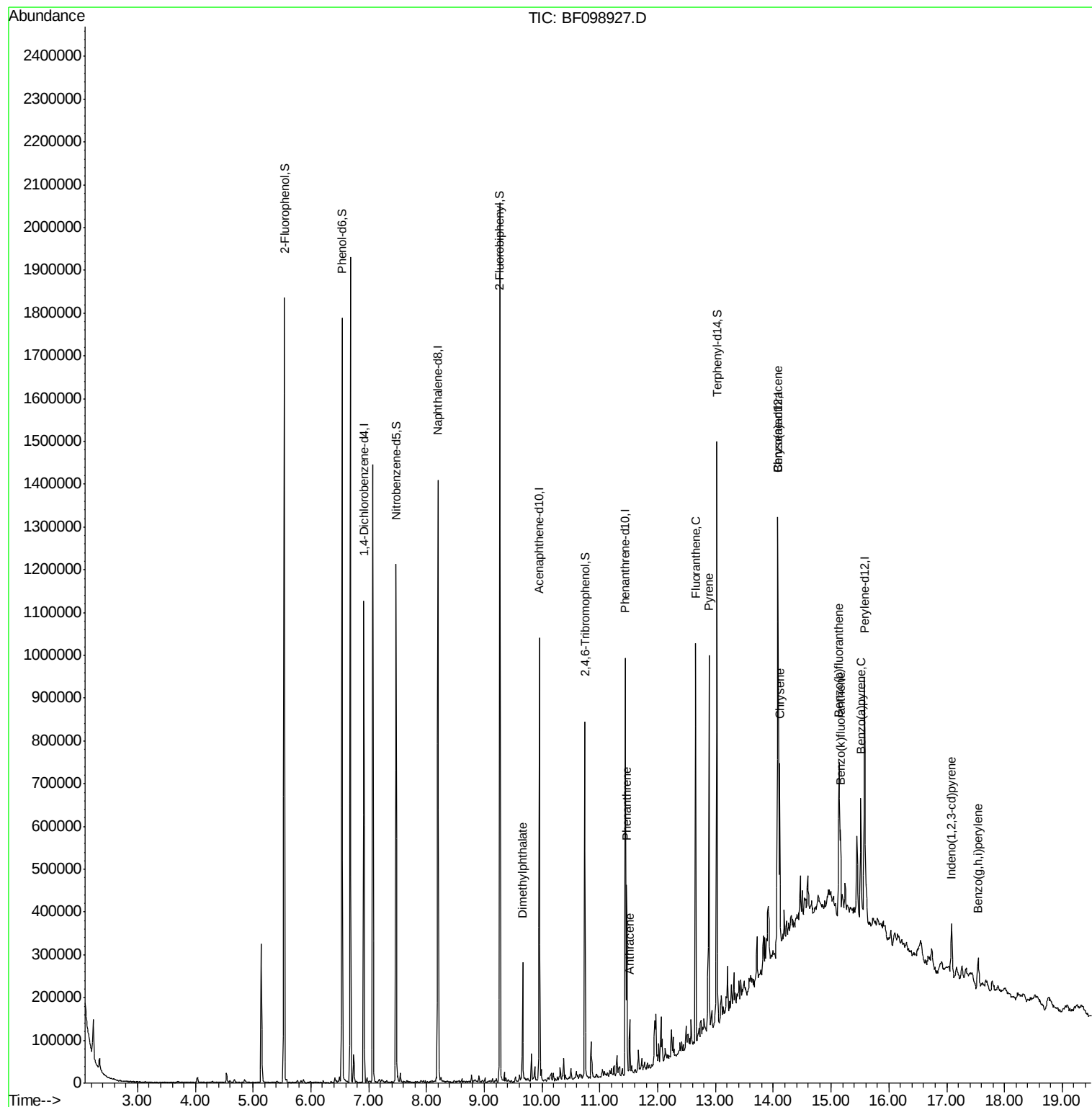
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
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#1

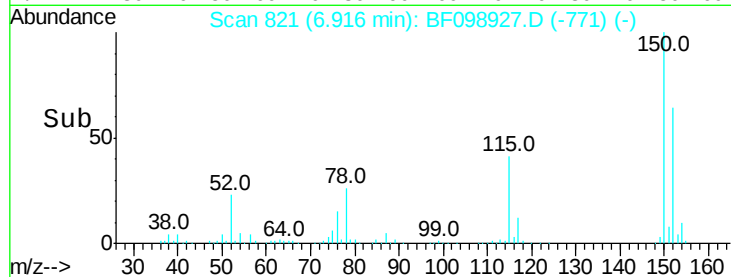
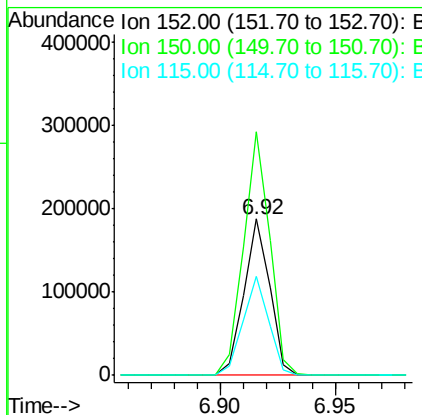
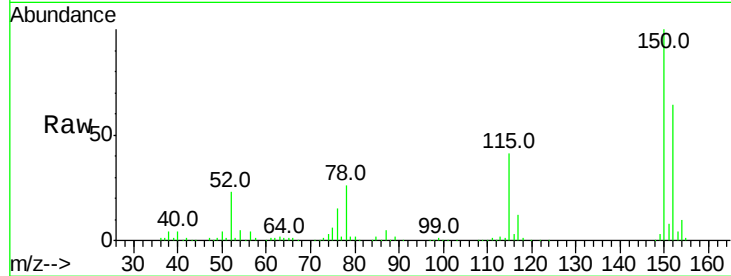
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
DUP-3-092617

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	63.2	50.1	75.1

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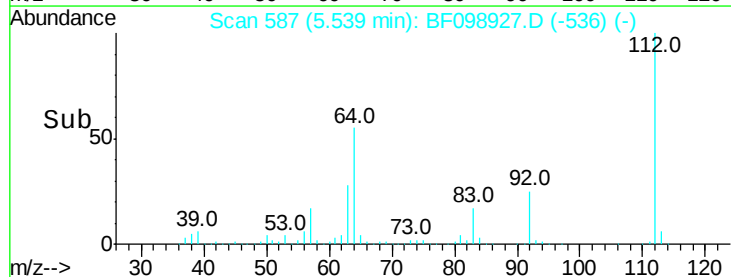
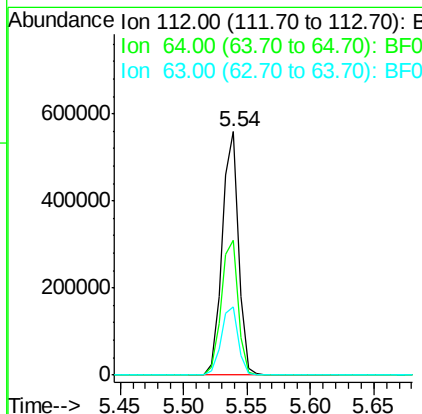
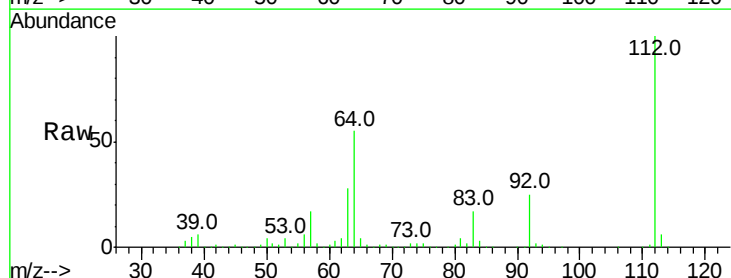
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#5

2-Fluorophenol
Concen: 54.539 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 50.986 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

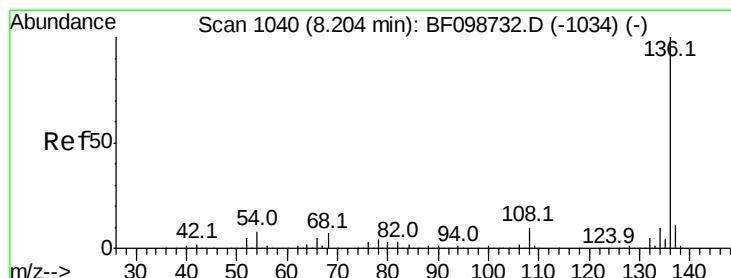
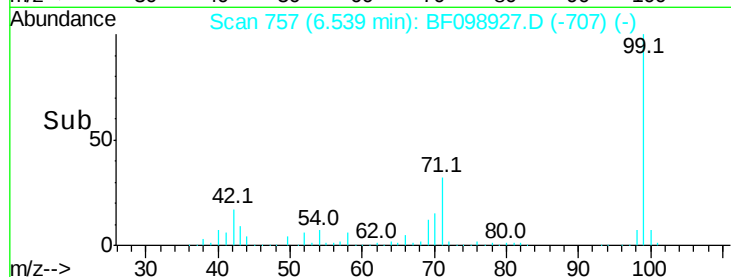
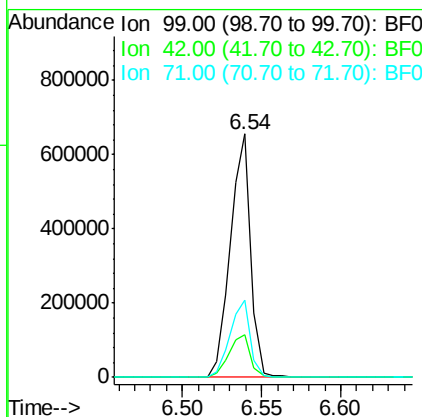
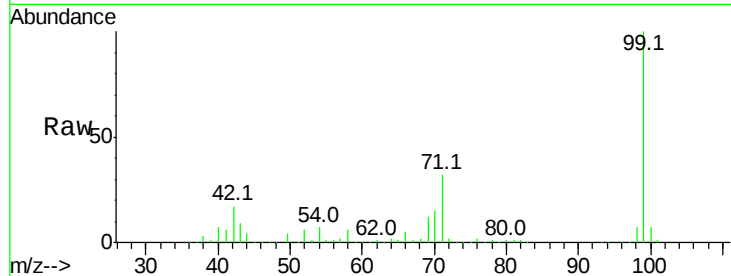
DUP-3-092617

Tot Ion:	99	Resp:	583719
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

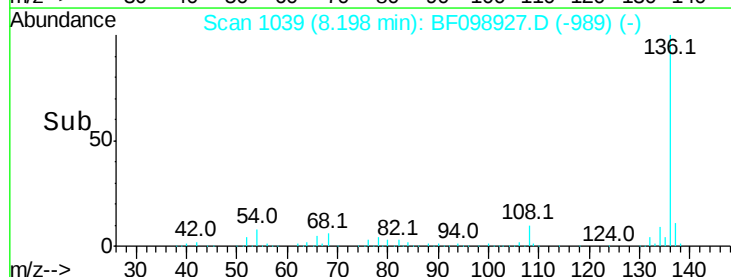
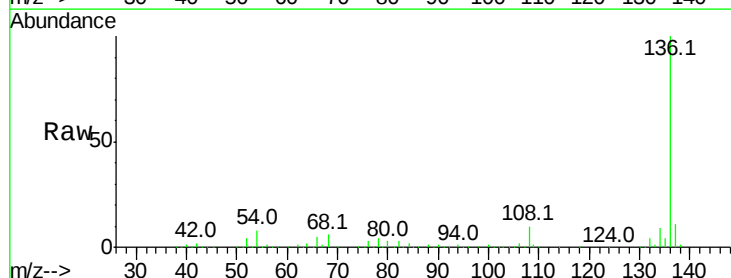
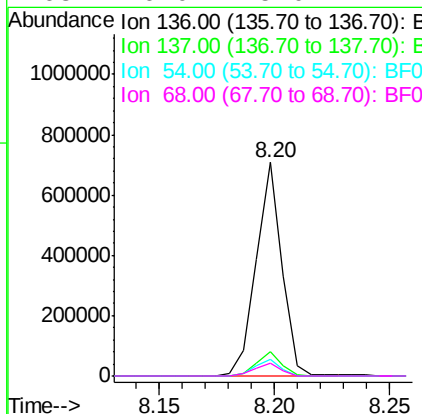
RT: 8.20 min Scan# 1039

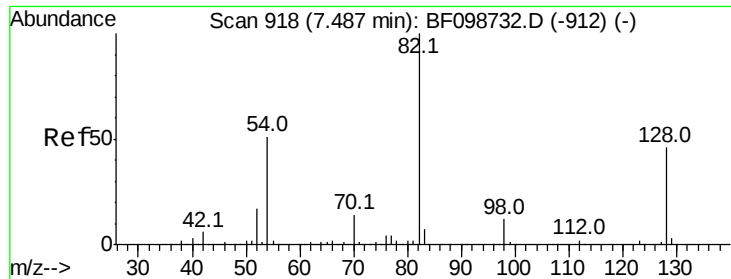
Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion:	136	Resp:	552363
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.7	6.6	9.8
68	6.0	5.0	7.4





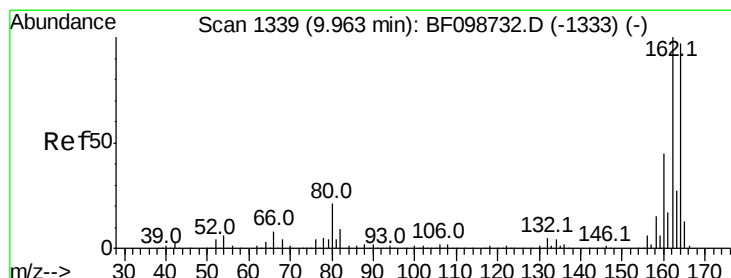
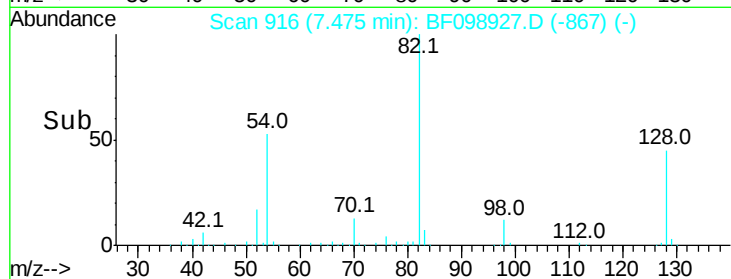
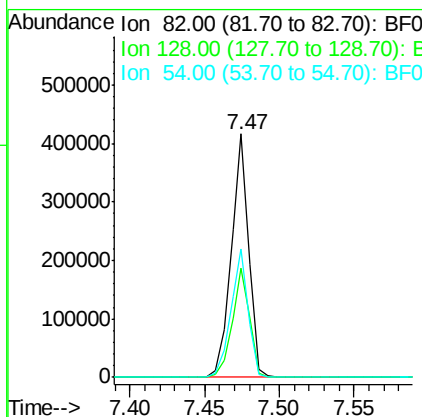
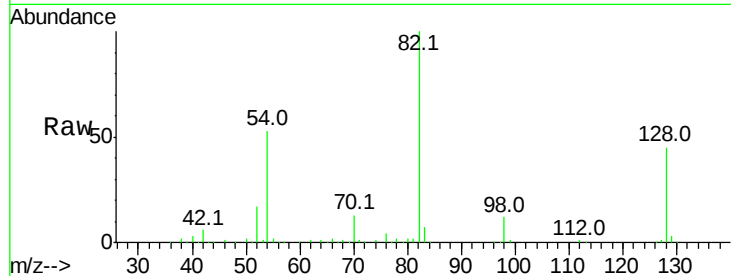
#23
 Nitrobenzene-d5
 Concen: 40.099 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098927.D
 Acq: 29 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampled :
 DUP-3-092617

Tot Ion	Ratio	Resp	Lower	Upper
82	100	345376		
128	44.8	36.1	54.1	
54	52.7	41.4	62.2	

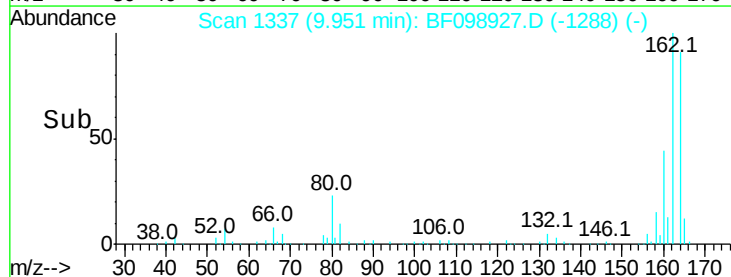
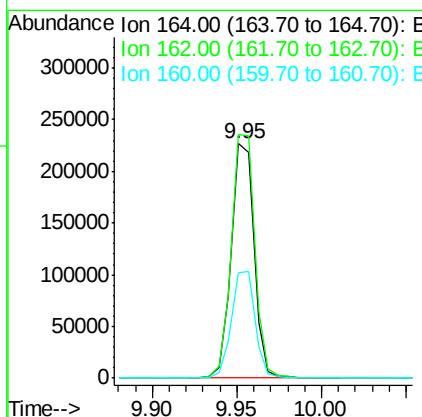
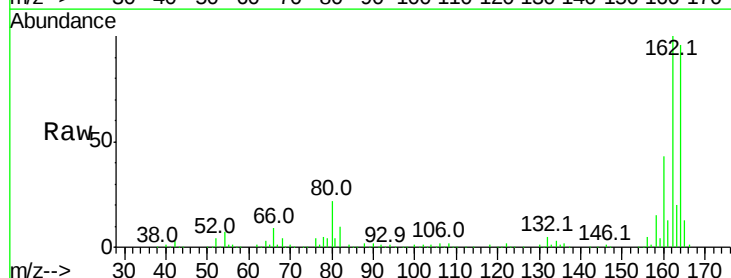
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098927.D
 Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	212106		
162	103.8	86.1	129.1	
160	45.1	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 43.687 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

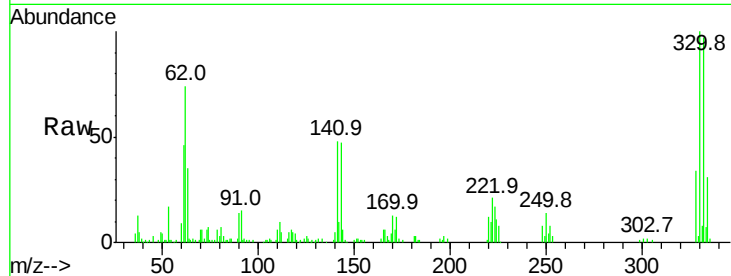
DUP-3-092617

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	48.5	29.9	44.9#

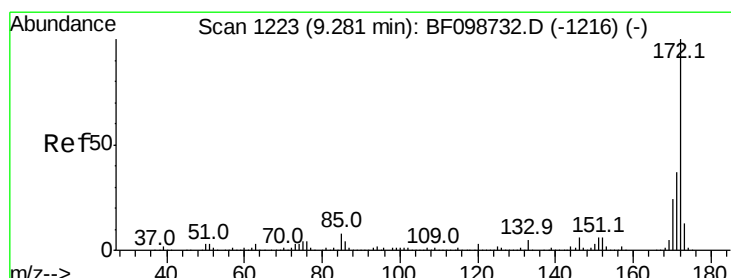
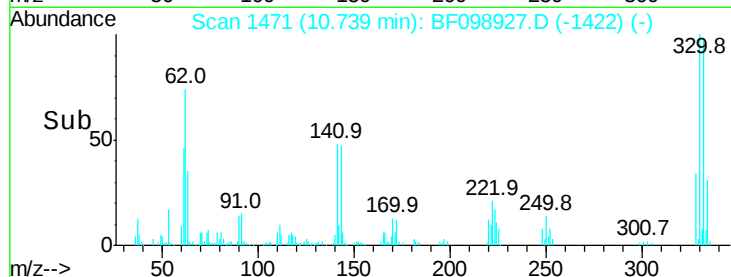
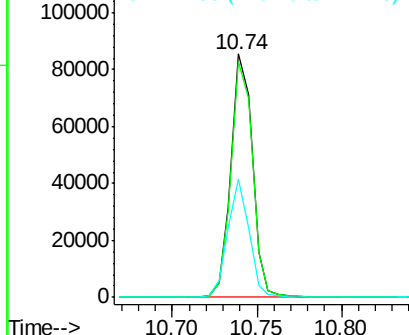
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 44.744 ng

RT: 9.27 min Scan# 1221

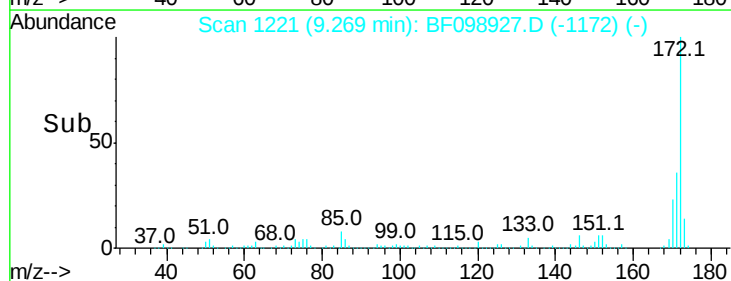
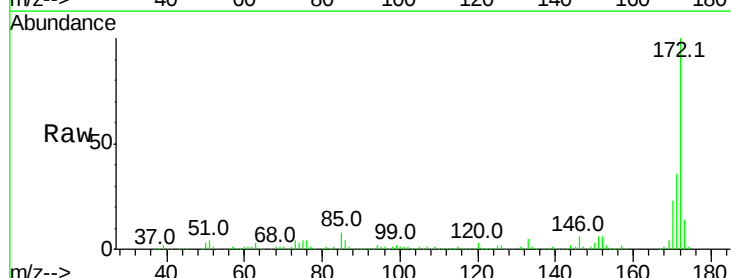
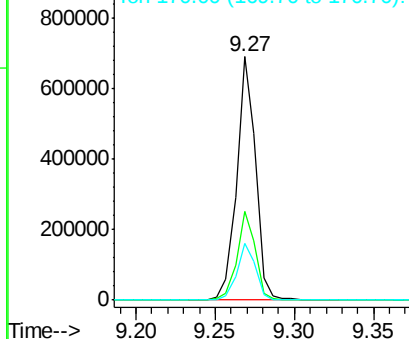
Delta R.T. -0.01 min

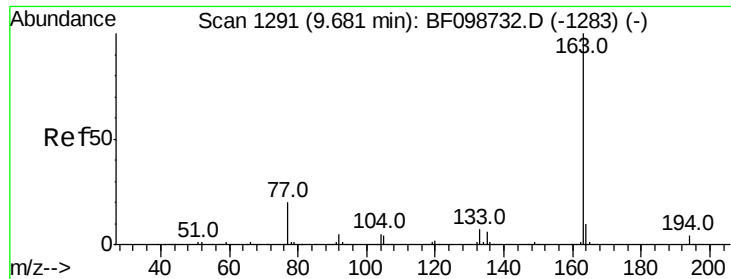
Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.4	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





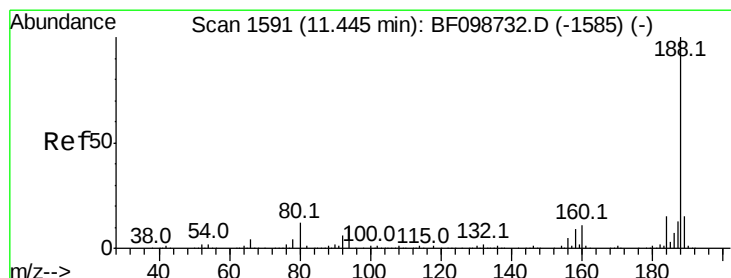
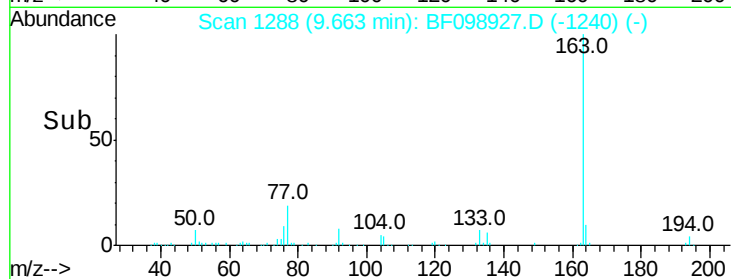
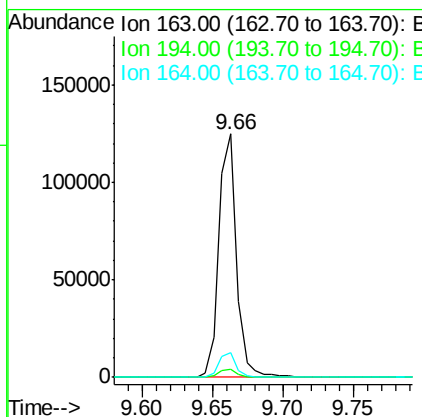
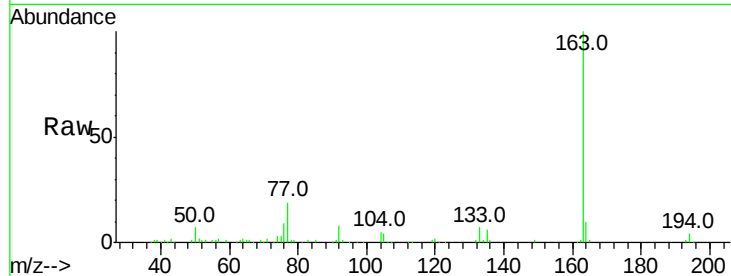
#49
Dimethylphthalate
Concen: 6.793 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
DUP-3-092617

Tot Ion	Ratio	Resp	Lower	Upper
163	100	108746		
194	3.5	2.7	4.1	
164	10.1	8.2	12.2	

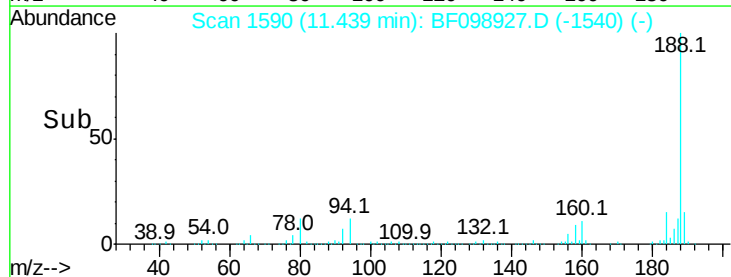
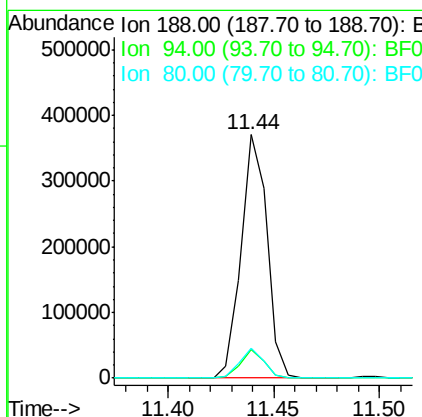
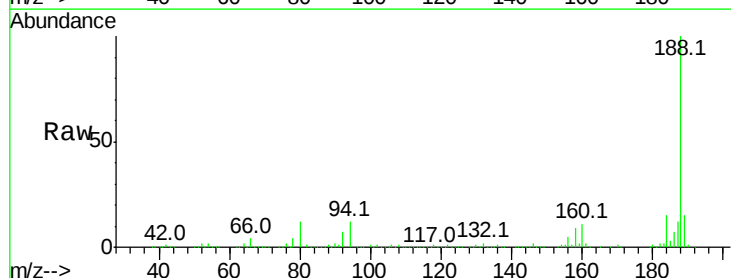
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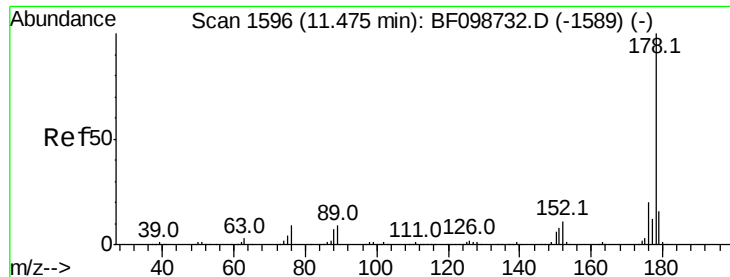
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	314255		
94	11.6	8.5	12.7	
80	12.2	9.2	13.8	





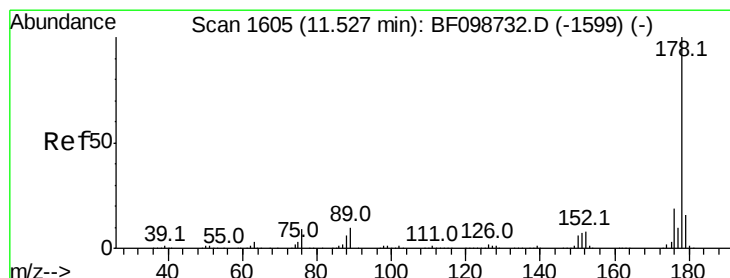
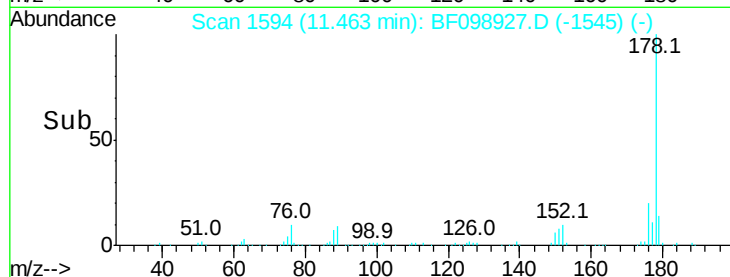
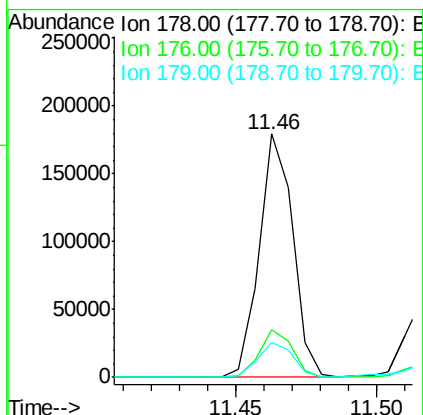
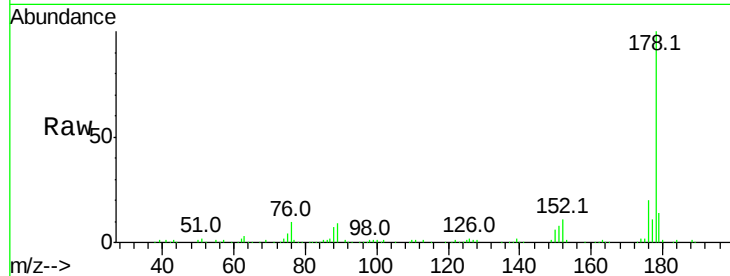
#70
Phenanthrene
Concen: 8.813 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
DUP-3-092617

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	14.5	13.0	19.6

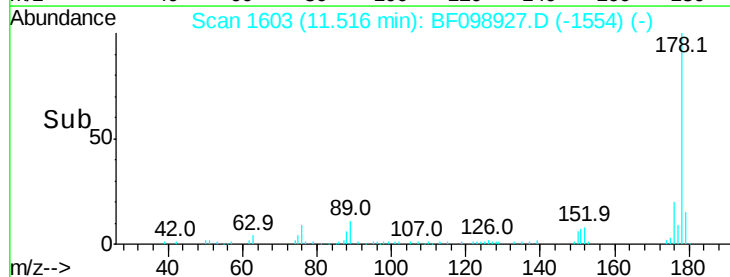
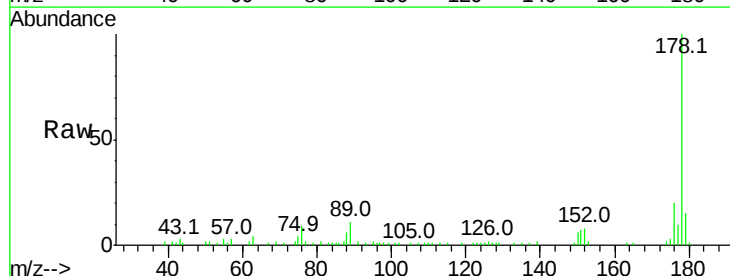
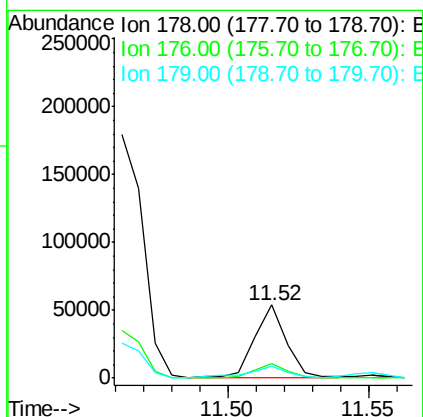
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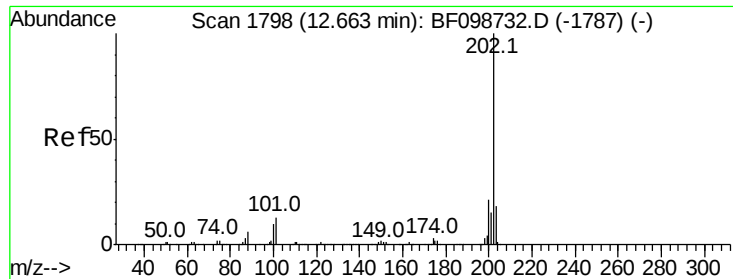
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#71
Anthracene
Concen: 2.372 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 20.304 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

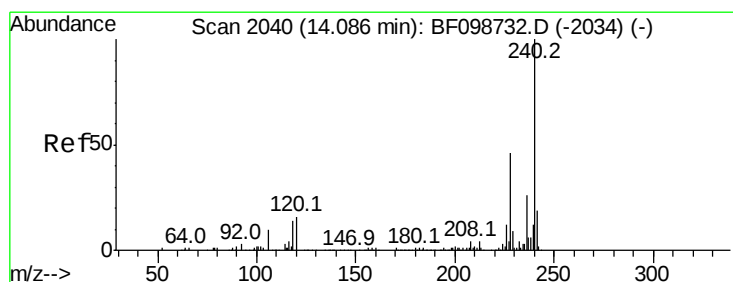
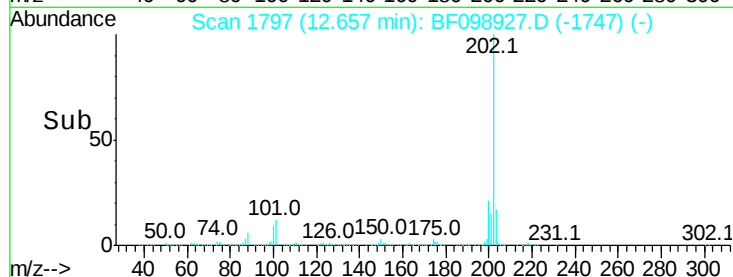
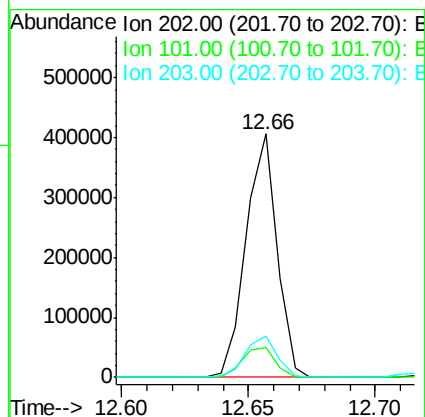
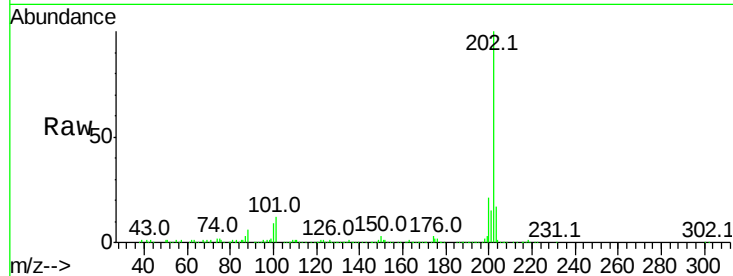
ClientSampled :

DUP-3-092617

Tot Ion:	202	Resp:	345843
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

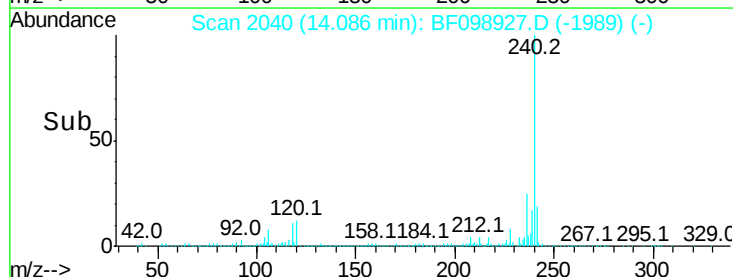
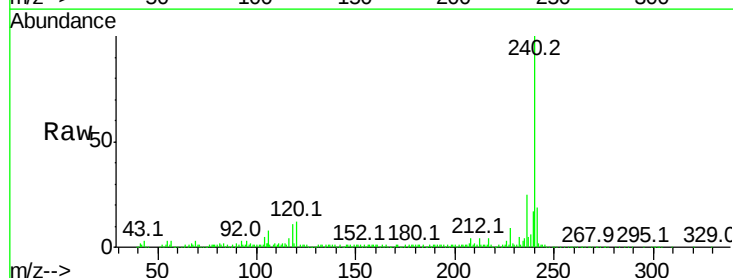
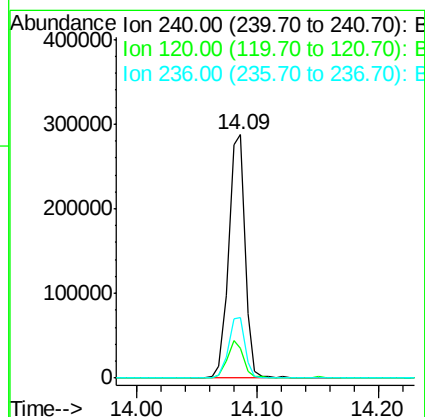
RT: 14.09 min Scan# 2040

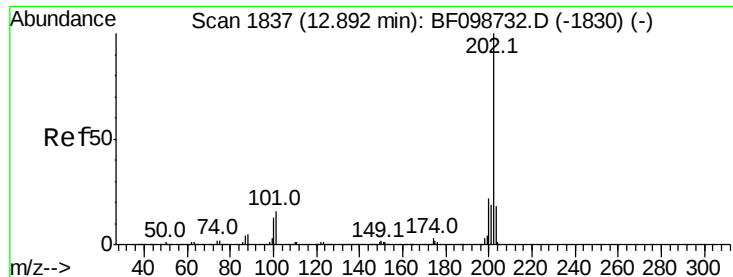
Delta R.T. -0.00 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion:	240	Resp:	269875
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 15.460 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampled :

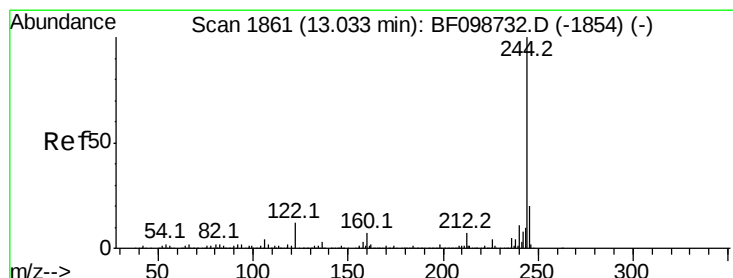
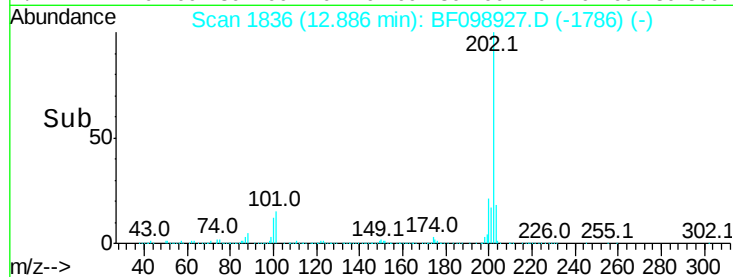
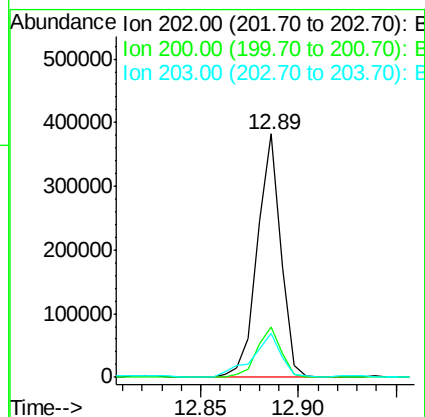
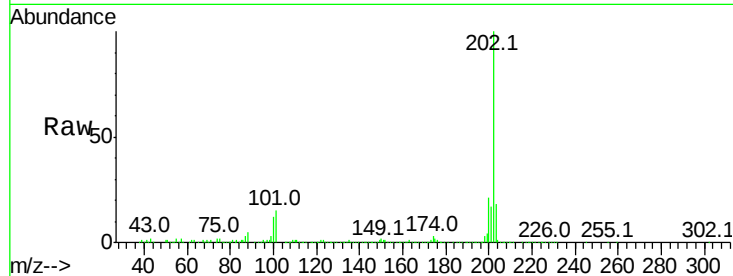
DUP-3-092617

Tot Ion:	202	Resp:	318157
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 31.804 ng

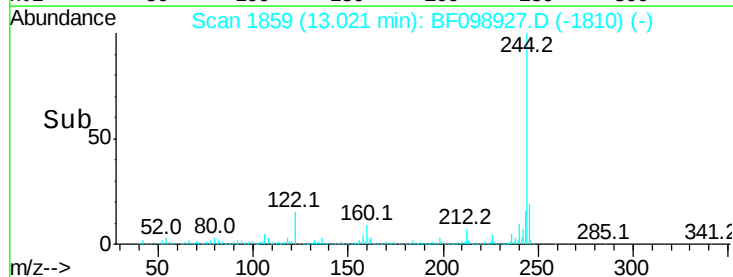
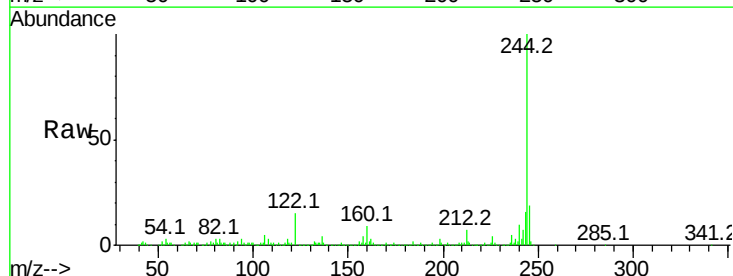
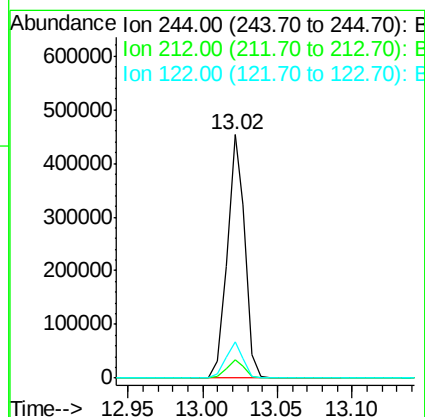
RT: 13.02 min Scan# 1859

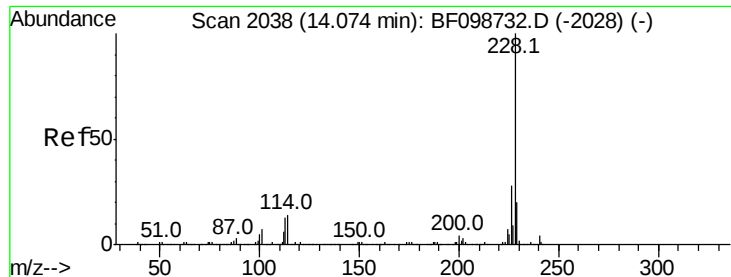
Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion:	244	Resp:	377407
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.0	11.0	16.4





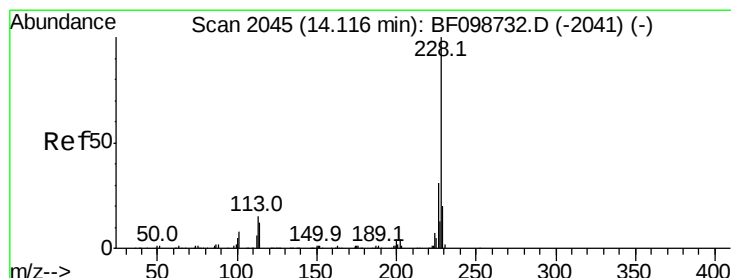
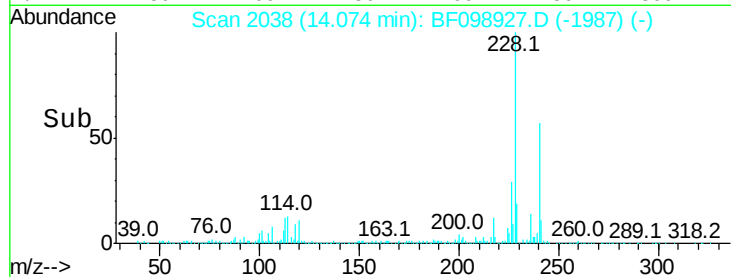
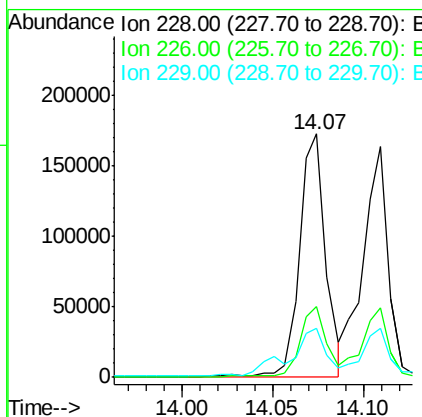
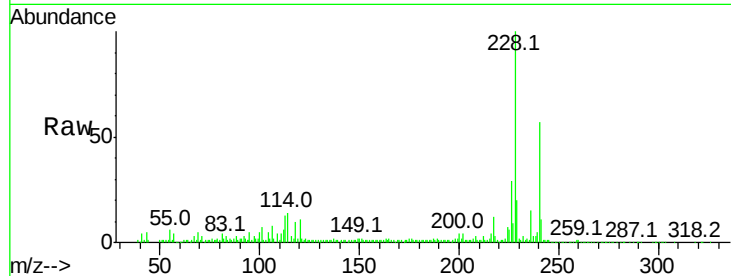
#80
Benzo(a)anthracene
Concen: 10.643 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
DUP-3-092617

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.1	15.8	23.6

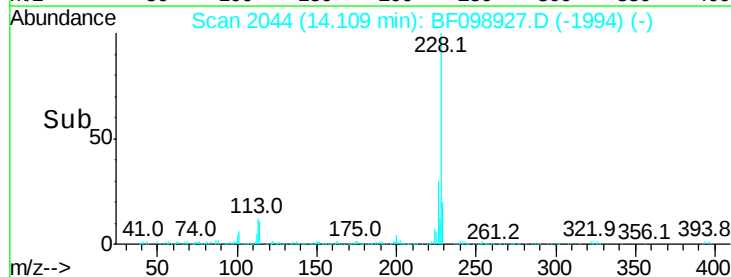
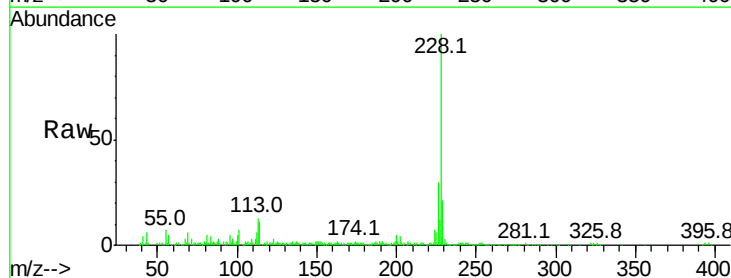
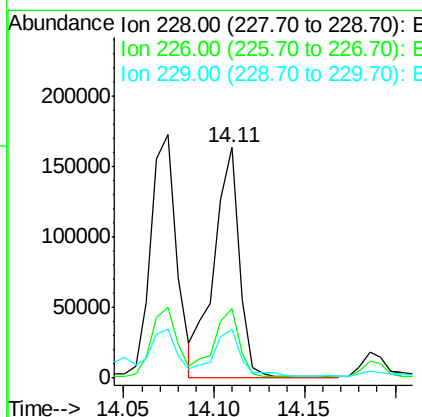
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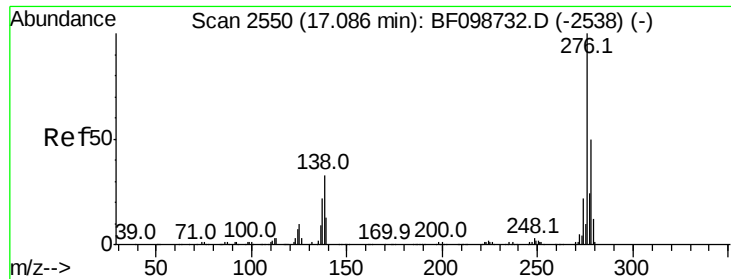
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#82
Chrysene
Concen: 10.200 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.267 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

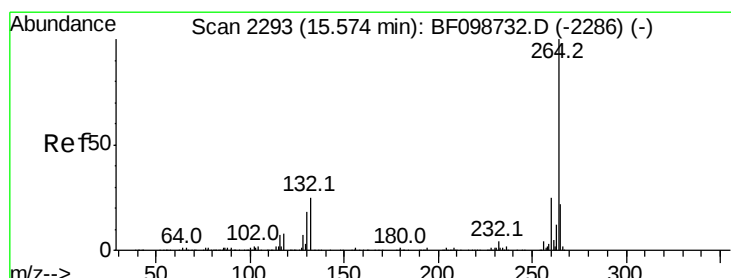
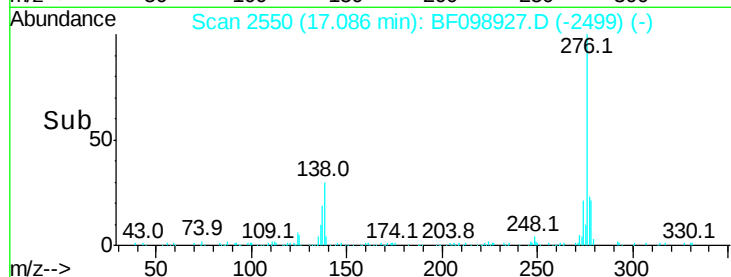
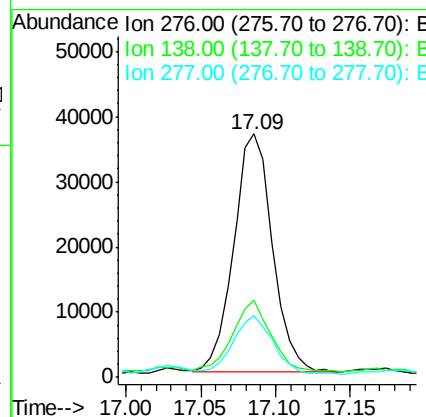
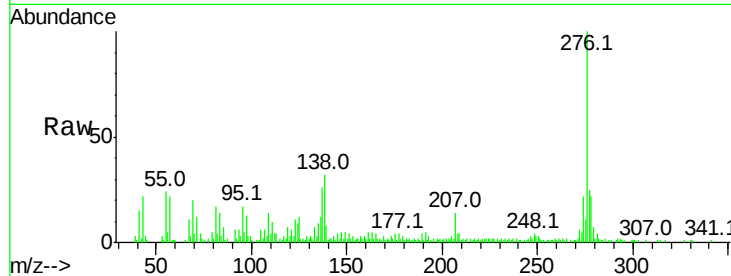
DUP-3-092617

Tot Ion:	276	Resp:	65554
Ion Ratio	Lower	Upper	
276	100		
138	30.7	25.0	37.6
277	25.3	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

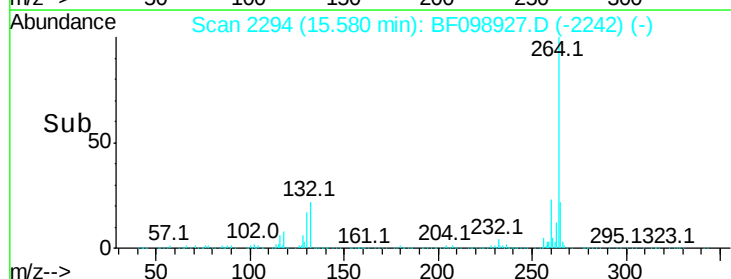
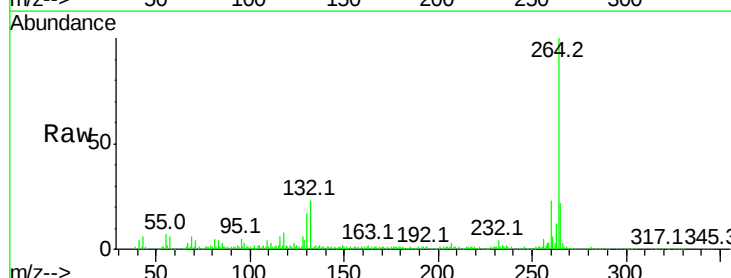
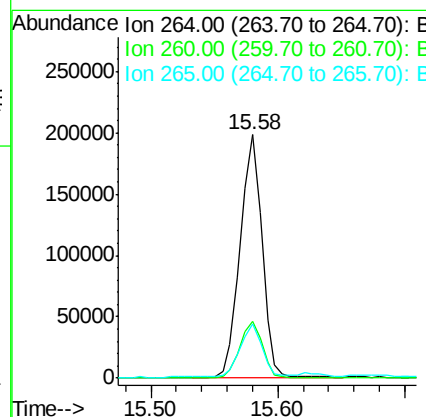
RT: 15.58 min Scan# 2294

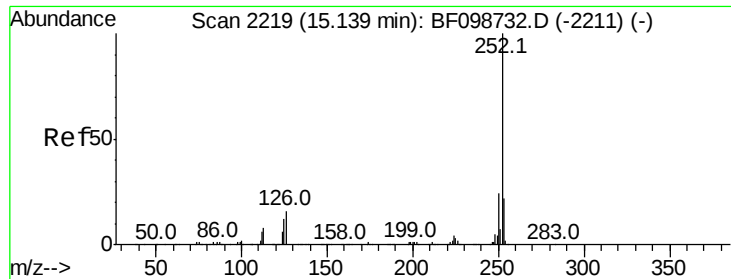
Delta R.T. 0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion:	264	Resp:	235303
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 14.698 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

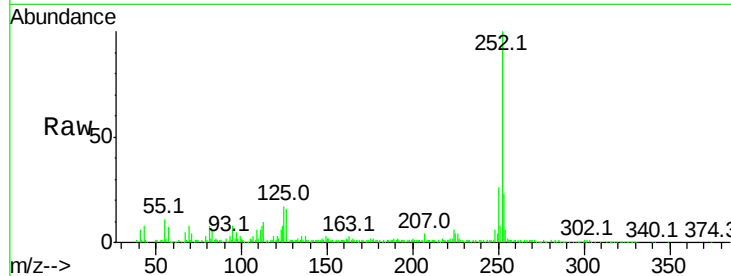
DUP-3-092617

Tot Ion:	252	Resp:	212640
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	16.8	9.0	13.6#

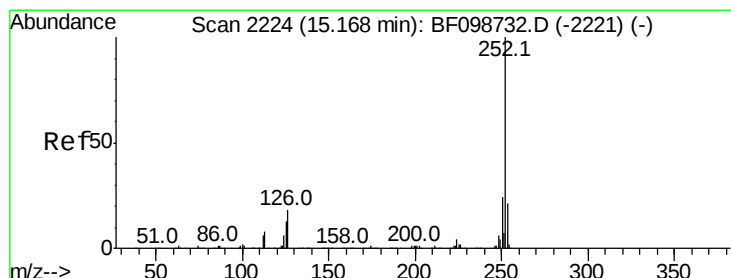
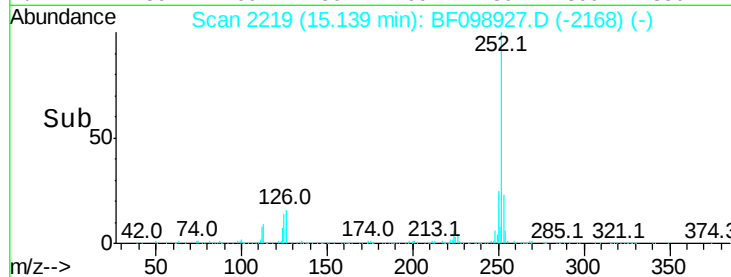
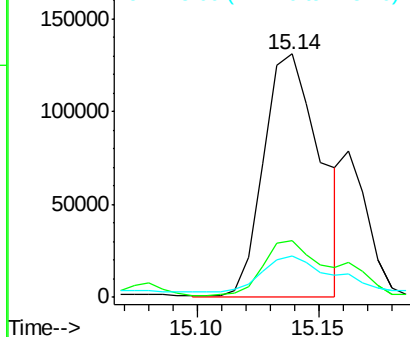
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.044 ng m

RT: 15.16 min Scan# 2223

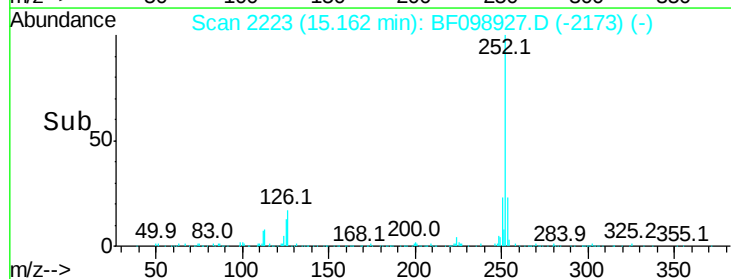
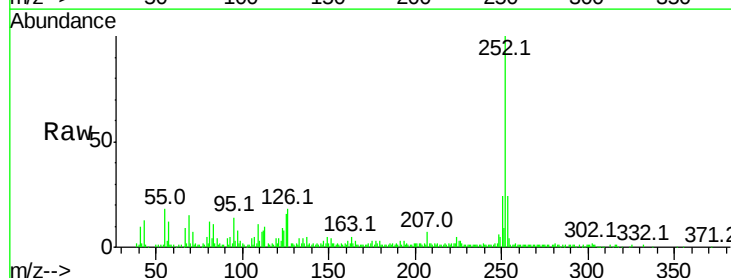
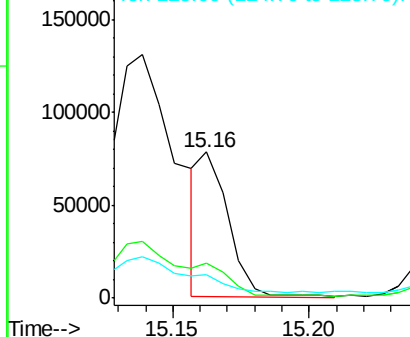
Delta R.T. -0.01 min

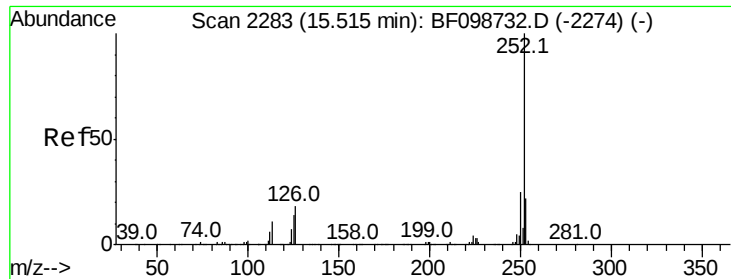
Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion:	252	Resp:	57789
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	16.3	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





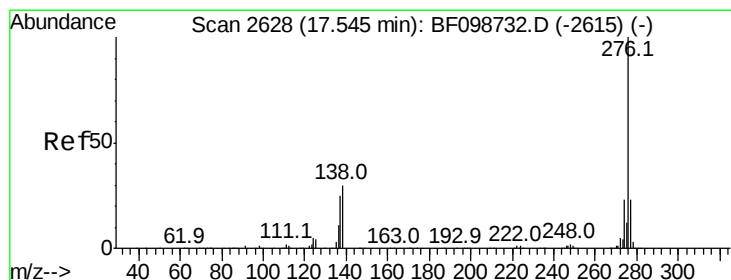
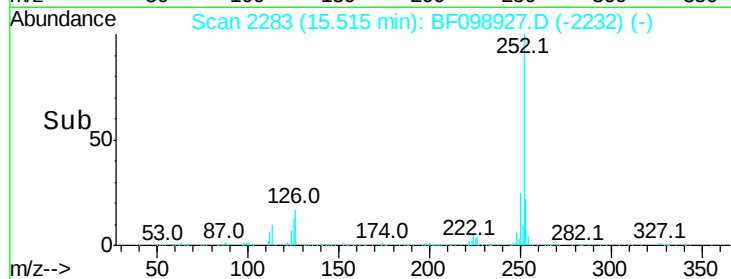
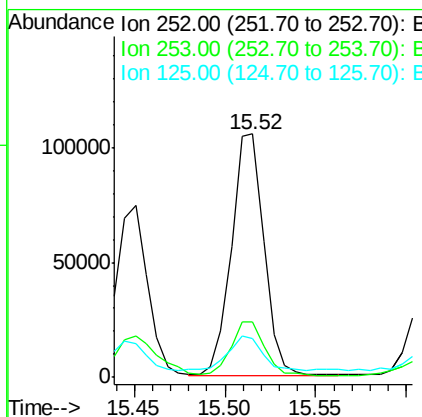
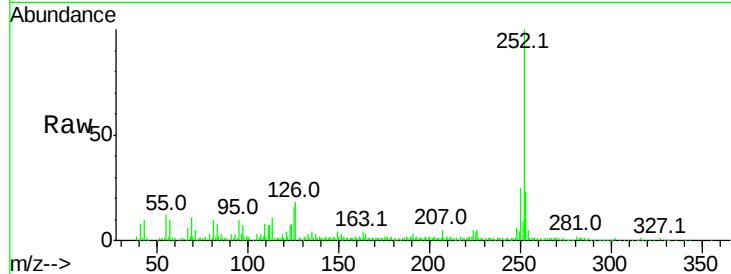
#89
Benzo(a)pyrene
Concen: 9.913 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
DUP-3-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.7	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.804 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	28.3	21.8	32.8

