

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
 Data File : BF098571.D
 Acq On : 15 Sep 2017 16:01
 Operator : SJ/JU
 Sample : I5188-09DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

Manual Integrations
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Quant Time: Sep 15 16:33:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 15 13:23:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	122032	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	477919	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	182582	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	283669	20.00	ng	0.00
75) Chrysene-d12	13.80	240	253446	20.00	ng	0.00
86) Perylene-d12	15.20	264	239986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	146254	17.72	ng	0.00
7) Phenol-d6	6.30	99	191796	18.30	ng	0.00
23) Nitrobenzene-d5	7.21	82	114116	13.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	20487	16.81	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	202769	18.82	ng	0.00
78) Terphenyl-d14	12.75	244	133978	11.41	ng	0.00
Target Compounds						
57) Fluorene	10.23	166	26801	2.228	ng	98
70) Phenanthrene	11.19	178	272562	18.125	ng	97
71) Anthracene	11.24	178	67316	4.360	ng	99
74) Fluoranthene	12.37	202	391175	25.984	ng	98
77) Pyrene	12.60	202	322086	16.110	ng	100
80) Benzo(a)anthracene	13.79	228	178926	12.042	ng	98
82) Chrysene	13.82	228	141637	9.430	ng	96
85) Indeno(1,2,3-cd)pyrene	16.54	276	52405	4.973	ng	93
87) Benzo(b)fluoranthene	14.81	252	179685m	11.908	ng	
88) Benzo(k)fluoranthene	14.83	252	70766m	5.023	ng	
89) Benzo(a)pyrene	15.14	252	121588	9.045	ng	97
91) Benzo(g,h,i)perylene	16.94	276	48236	4.904	ng	# 91

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

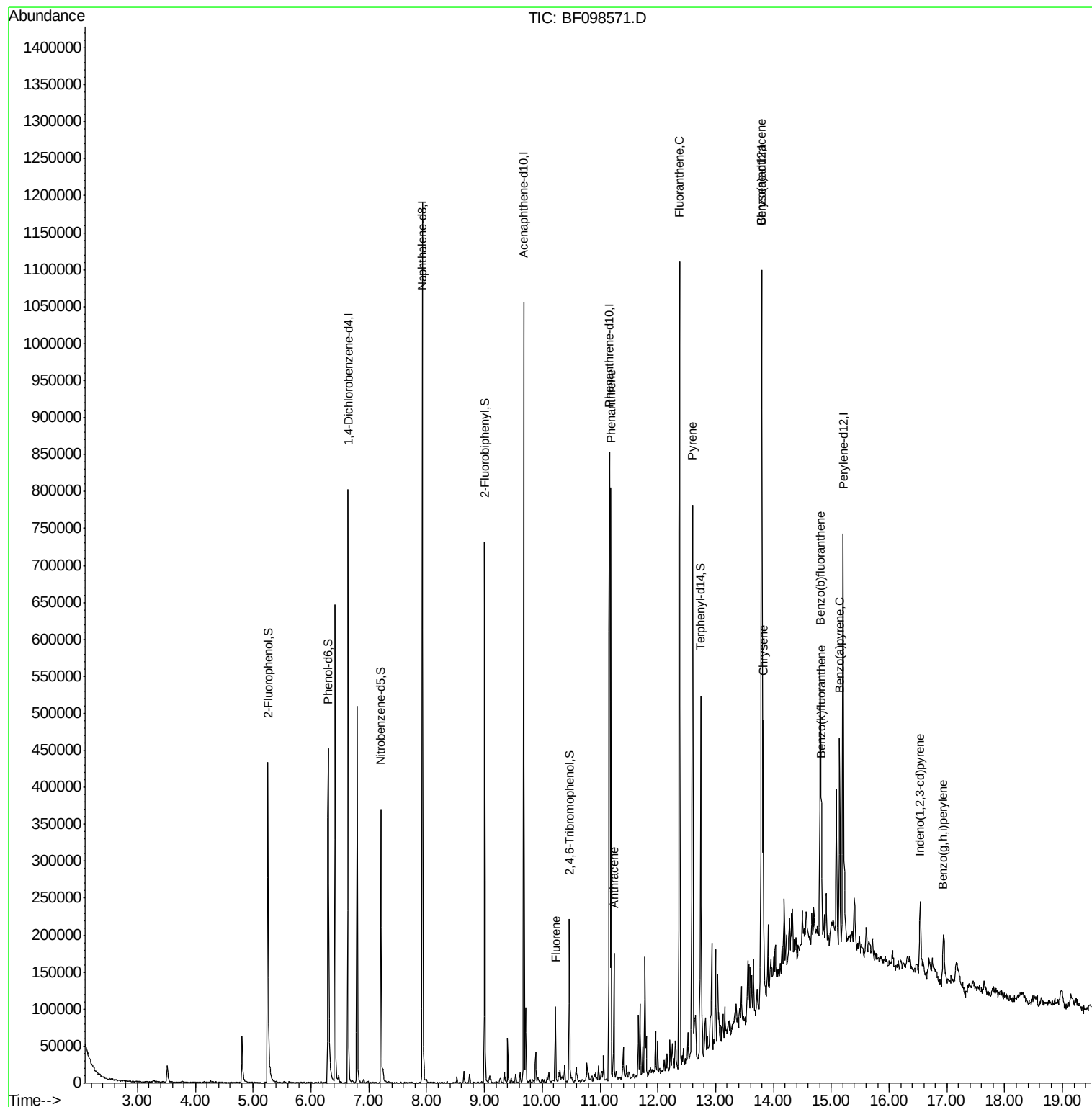
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
Data File : BF098571.D
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Sample : I5188-09DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

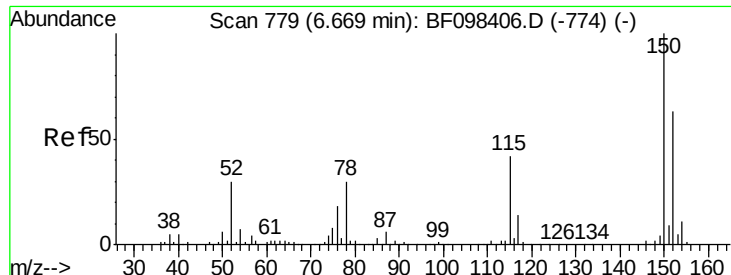
Instrument :
BNA_F
ClientSampleID :
RL-2-0-17.25DL

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Quant Time: Sep 15 16:33:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

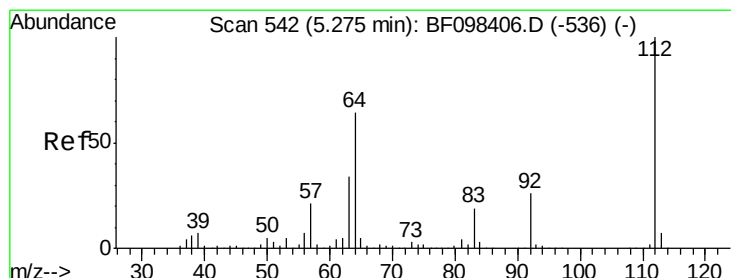
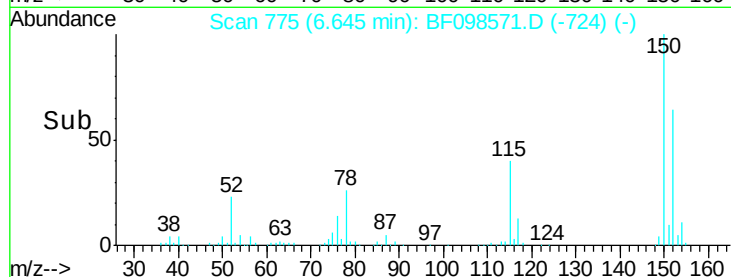
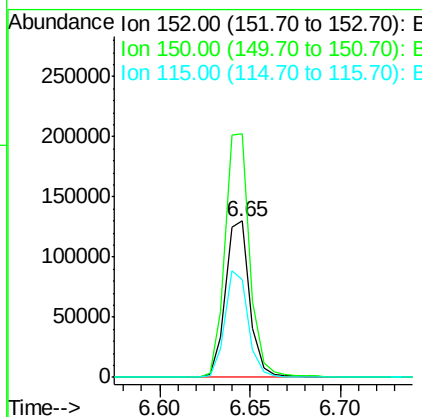
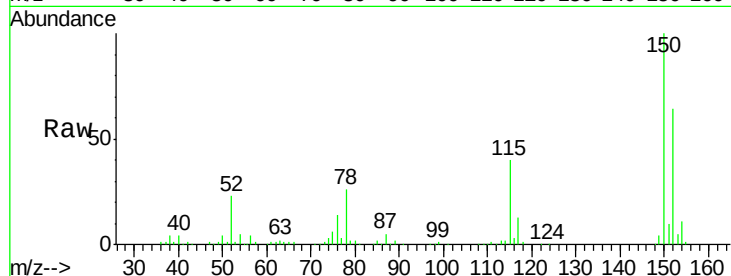
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.7	52.2	78.2

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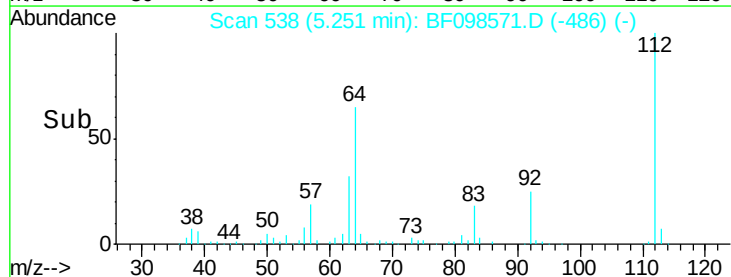
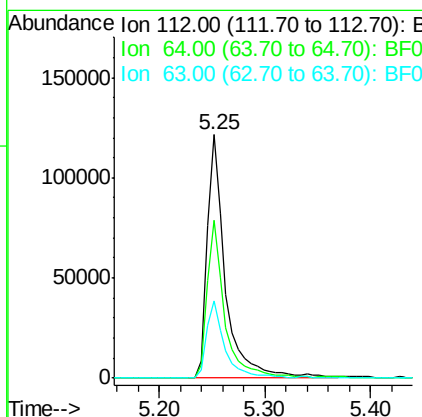
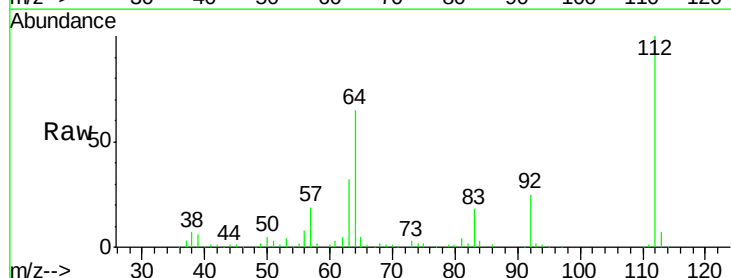
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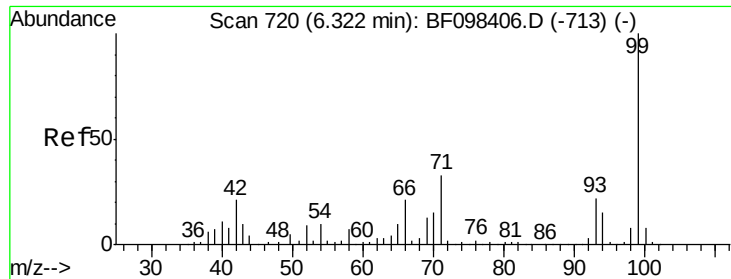


#5

2-Fluorophenol
Concen: 17.720 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	31.5	23.4	35.0





#7

Phenol-d6

Concen: 18.302 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

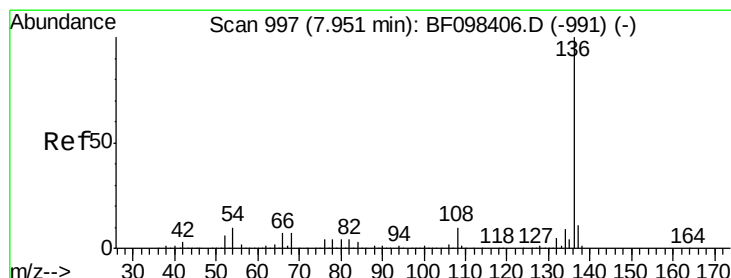
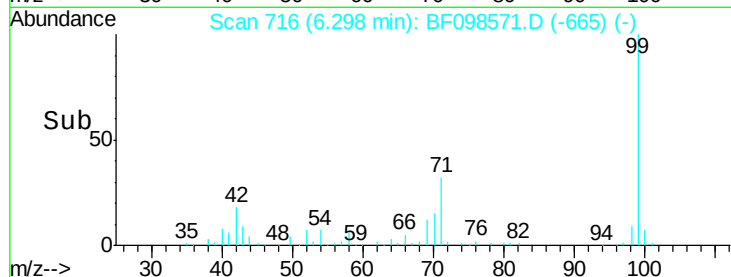
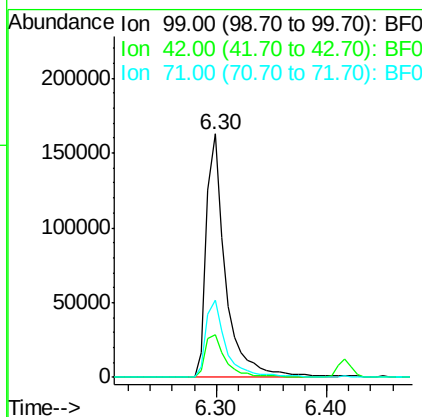
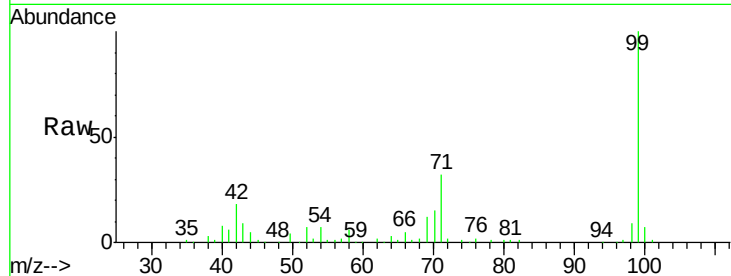
ClientSampleId :

RL-2-0-17.25DL

Tgt Ion:	99	Resp:	191796
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.5	20.3
71	31.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

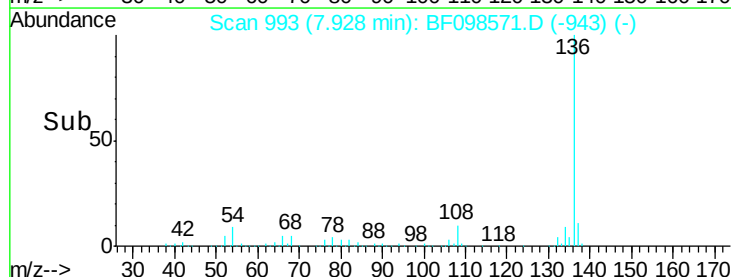
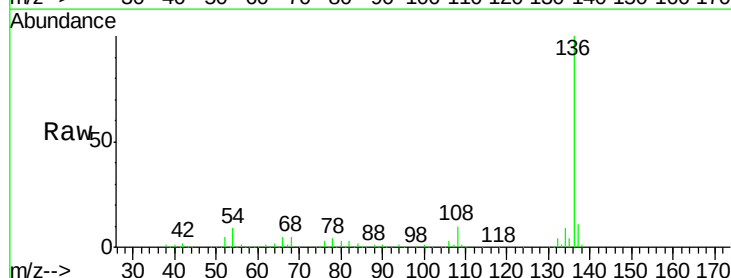
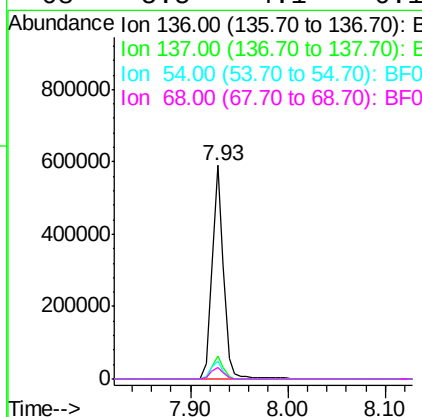
RT: 7.93 min Scan# 993

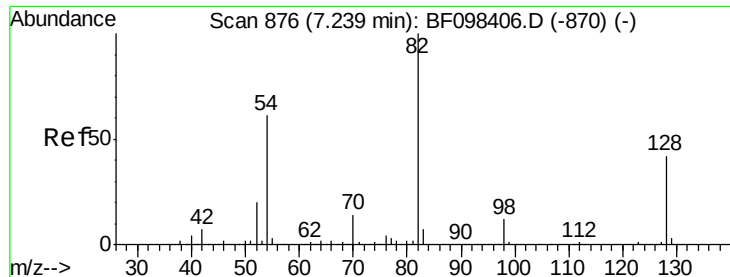
Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Tgt Ion:	136	Resp:	477919
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	8.6	4.9	7.3#
68	5.5	4.1	6.1





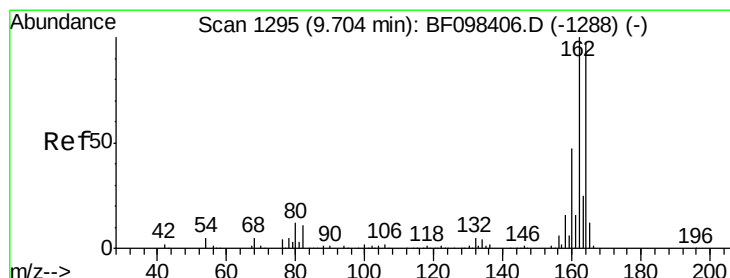
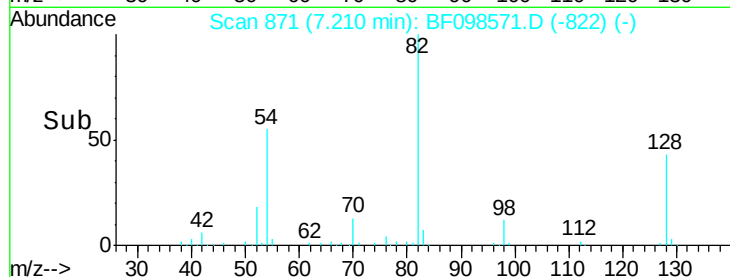
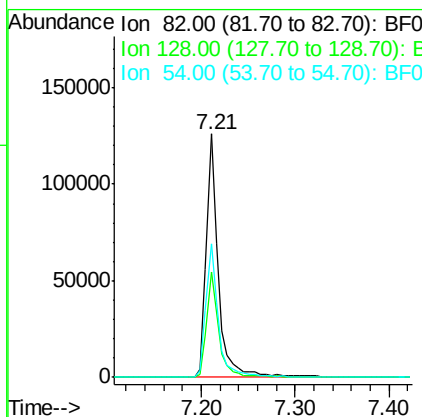
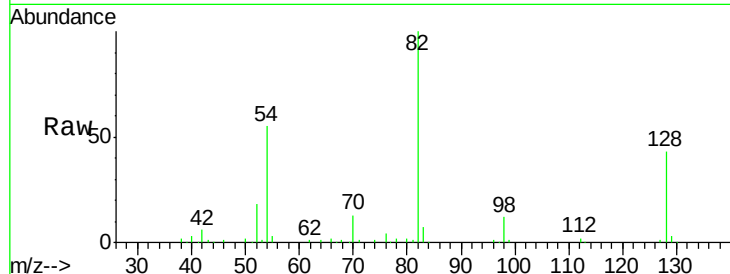
#23
Nitrobenzene-d5
Concen: 13.312 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	114116		
128	43.4	34.0	51.0	
54	54.9	42.2	63.2	

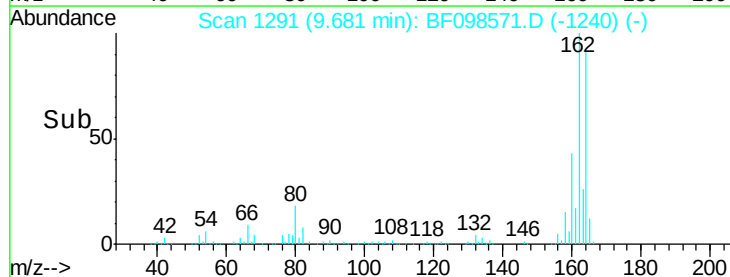
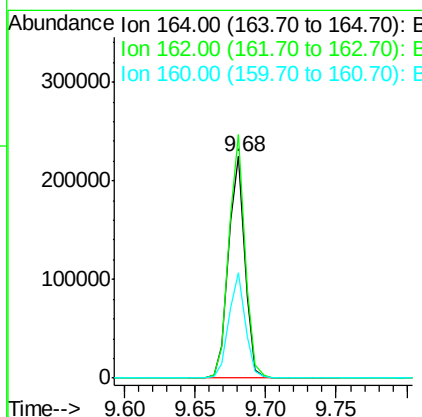
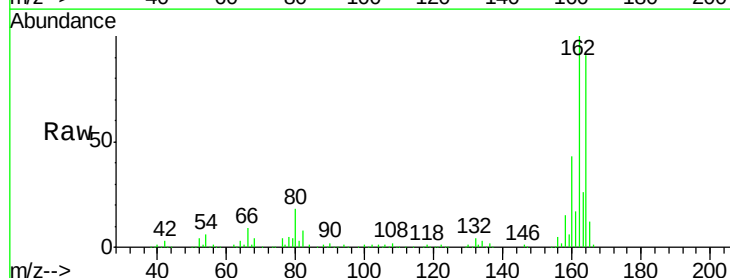
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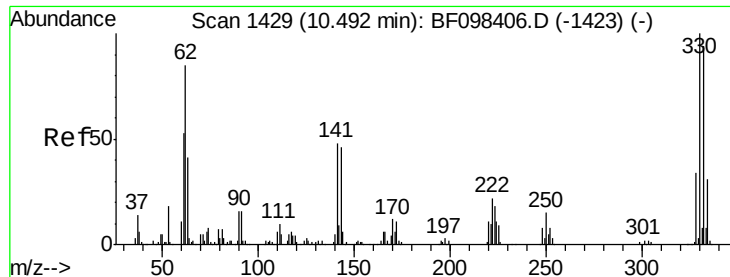
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182582		
162	109.8	82.6	123.8	
160	47.7	36.2	54.2	





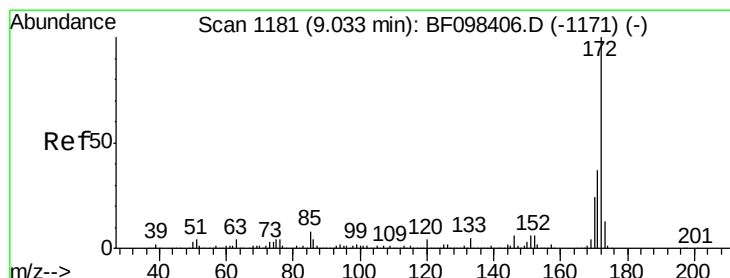
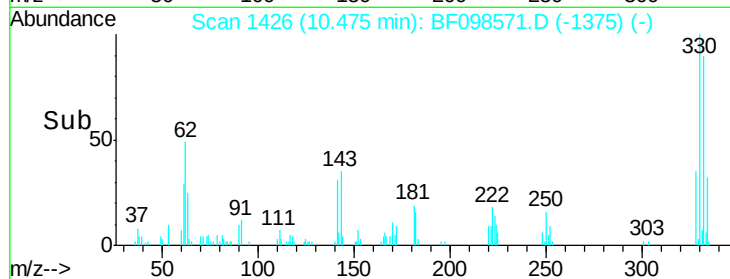
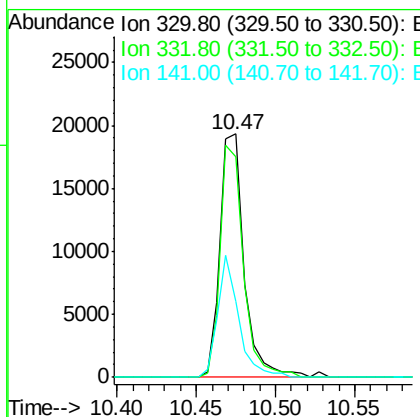
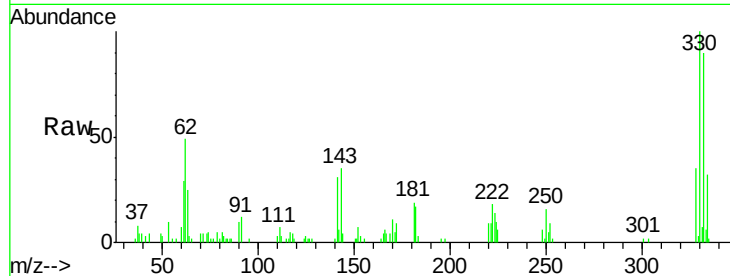
#41
 2,4,6-Tribromophenol
 Concen: 16.812 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Instrument :
 BNA_F
 ClientSampled :
 RL-2-0-17.25DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.5	76.6	115.0
141	43.5	31.4	47.2

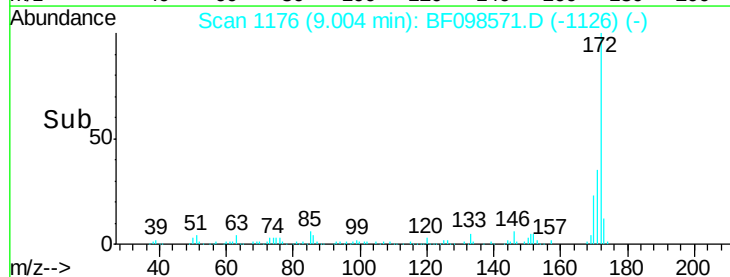
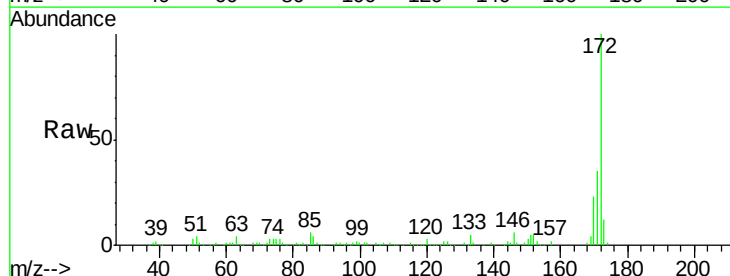
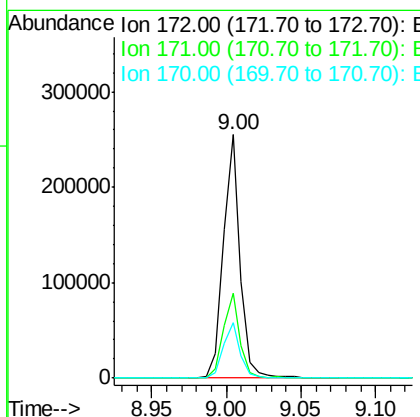
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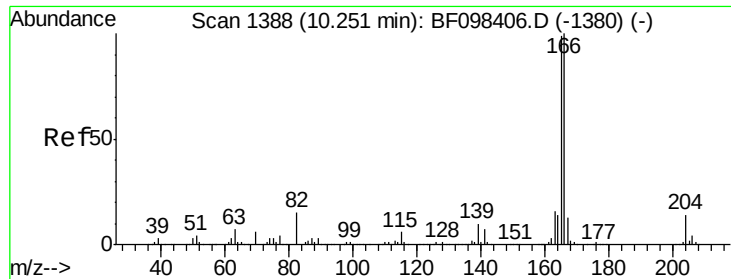
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#44
 2-Fluorobiphenyl
 Concen: 18.823 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	22.9	19.8	29.8





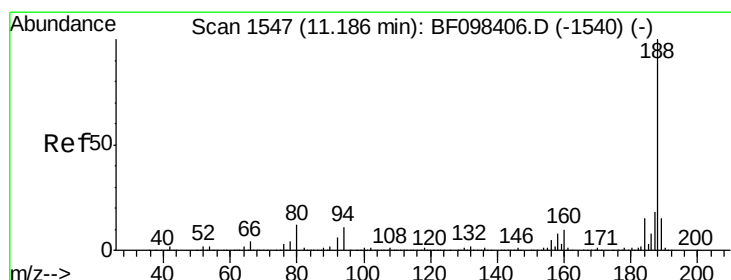
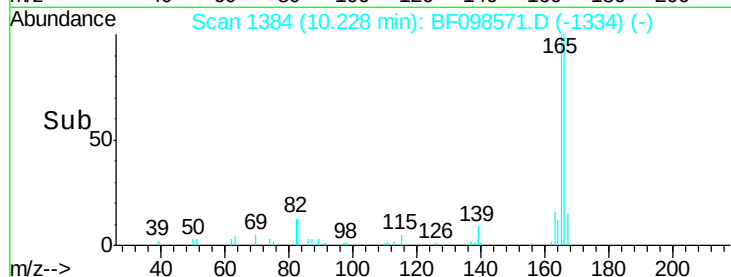
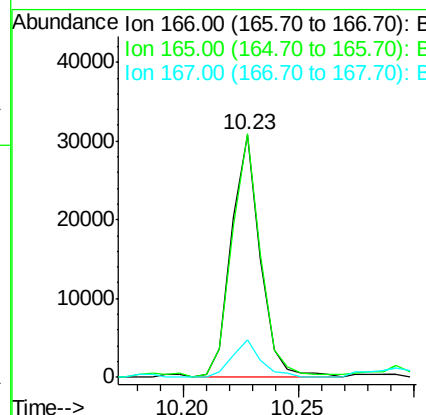
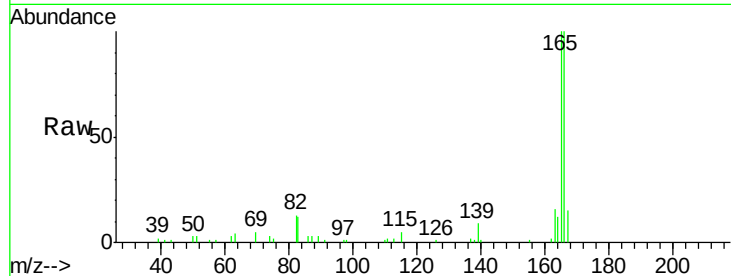
#57
Fluorene
 Concen: 2.228 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26801		
165	100.3	78.8	118.2	
167	15.5	10.6	16.0	

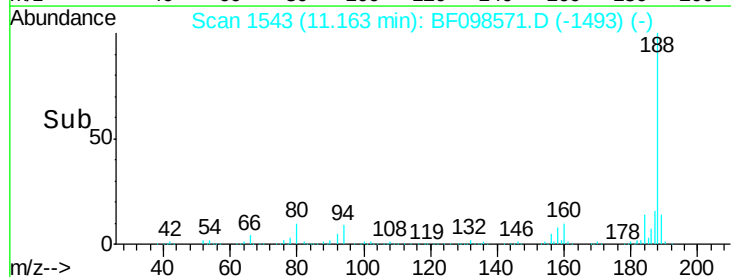
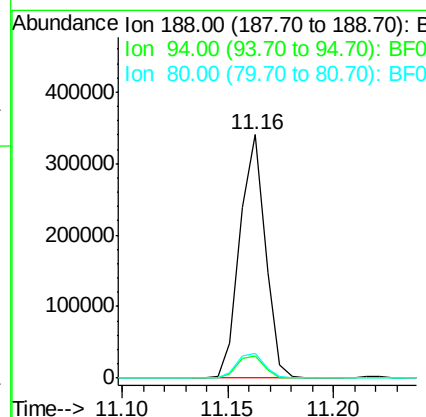
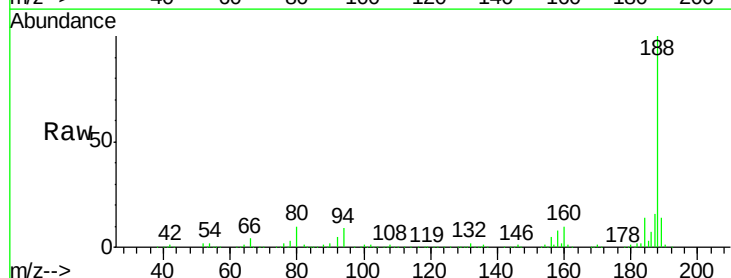
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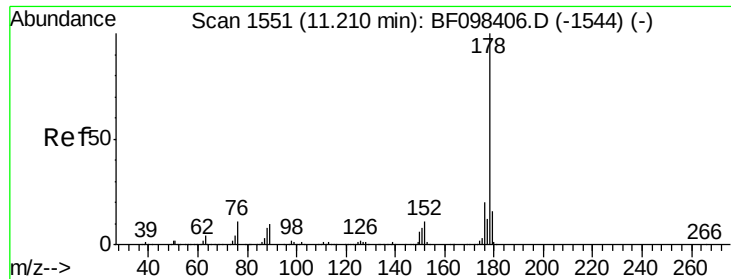
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	283669		
94	9.1	9.4	14.2#	
80	10.3	10.2	15.2	





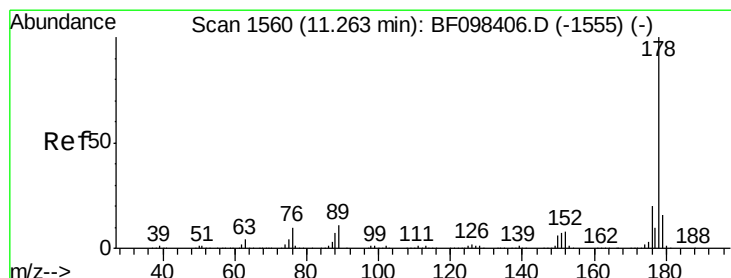
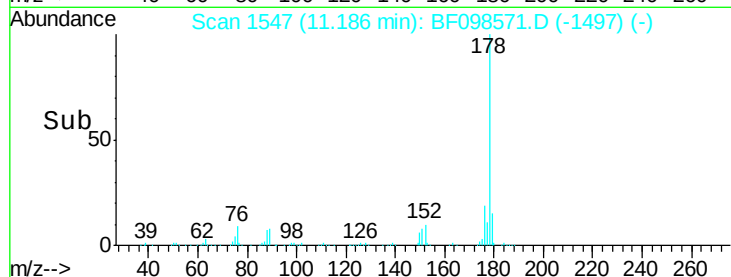
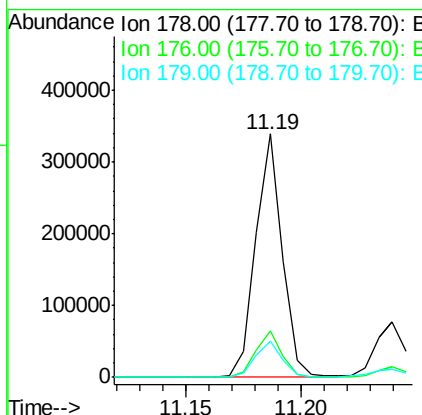
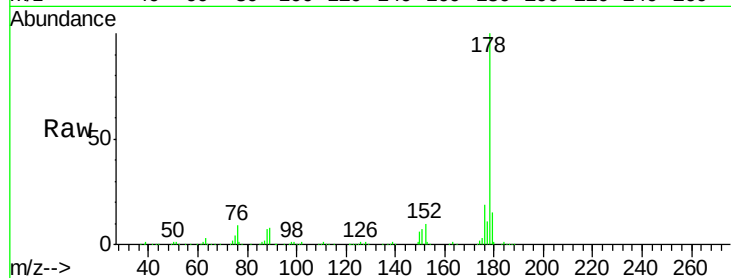
#70
Phenanthrene
Concen: 18.125 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	14.7	12.6	19.0

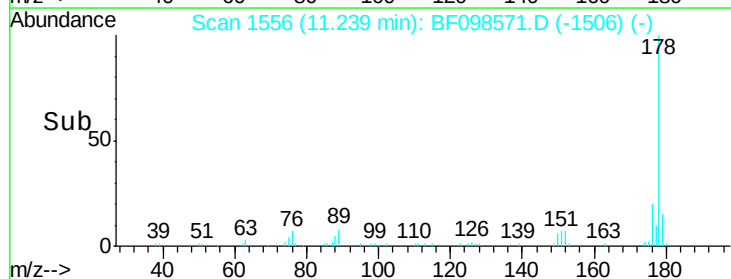
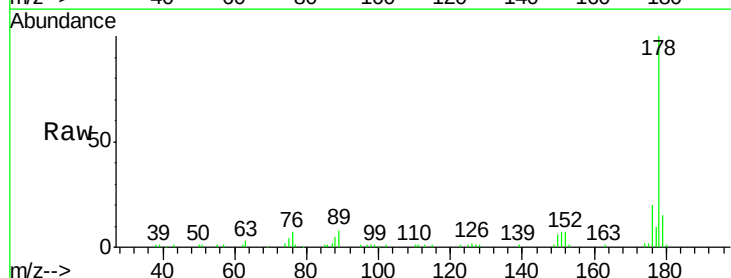
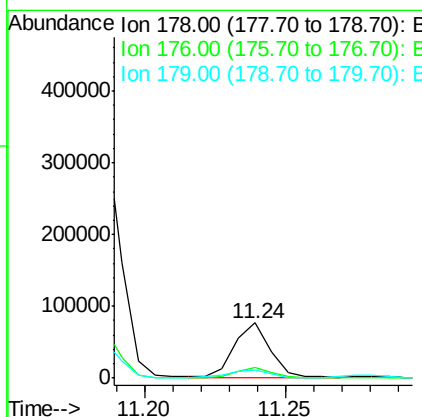
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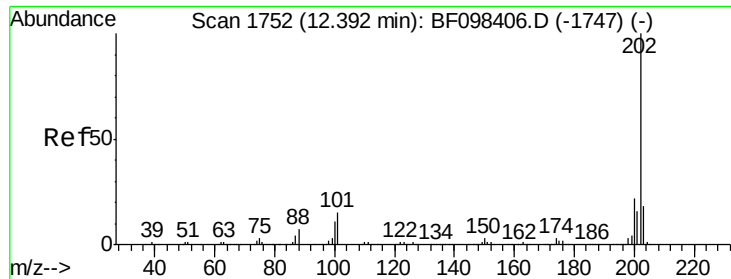
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#71
Anthracene
Concen: 4.360 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.1	12.7	19.1





#74

Fluoranthene

Concen: 25.984 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

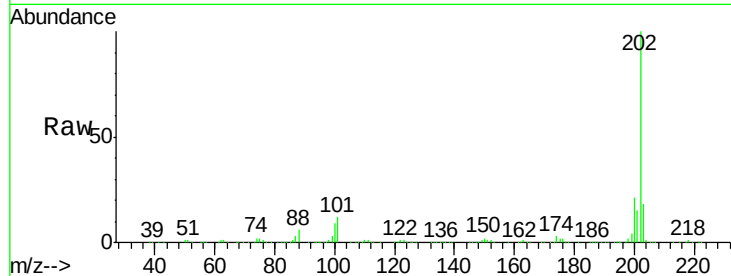
ClientSampleId :

RL-2-0-17.25DL

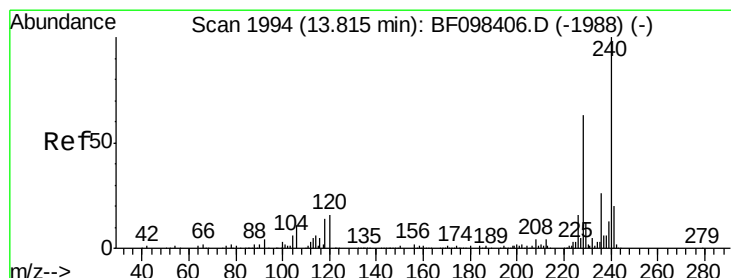
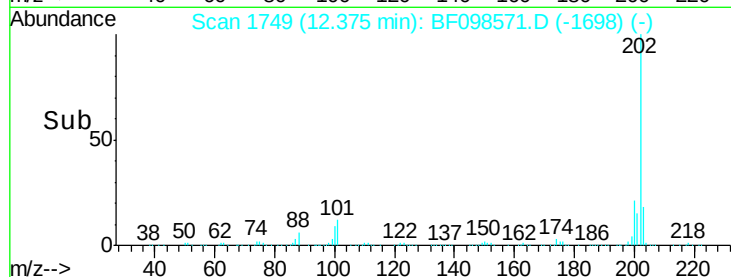
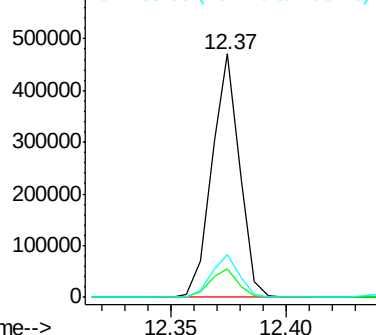
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		391175		
101	11.9	0.0	33.2		
203	17.7	0.0	38.1		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

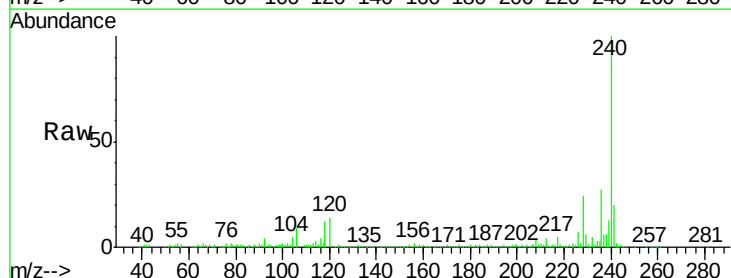
RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

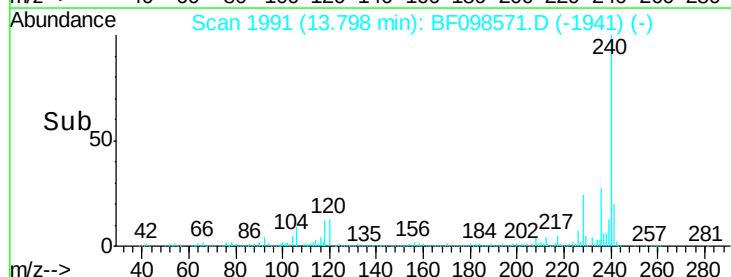
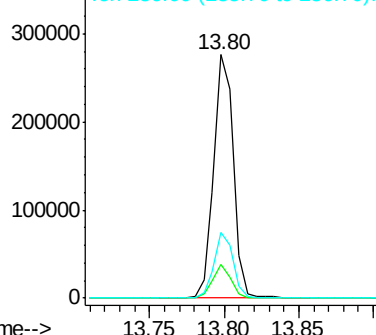
Lab File: BF098571.D

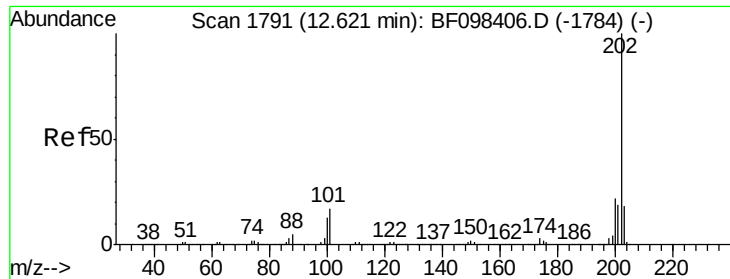
Acq: 15 Sep 2017 16:01

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		253446		
120	13.6	5.8	8.8#		
236	26.7	20.5	30.7		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





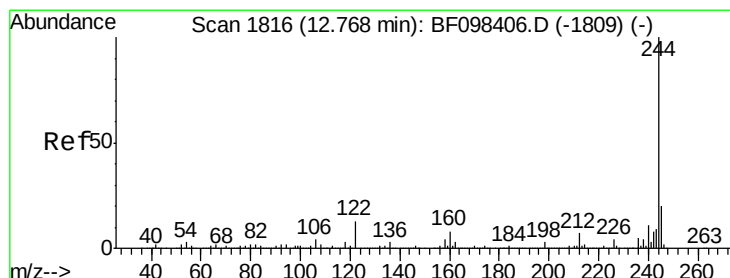
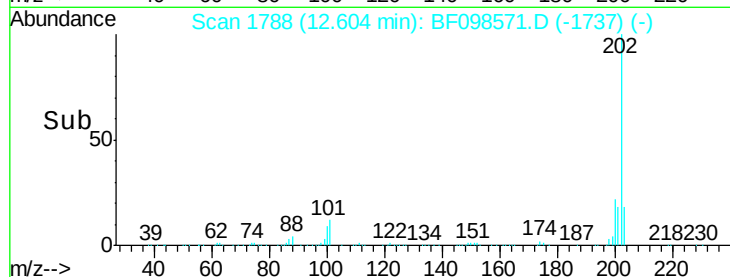
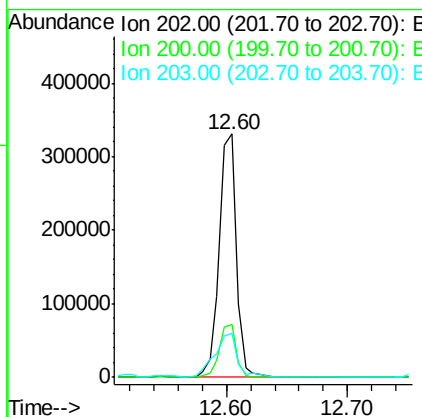
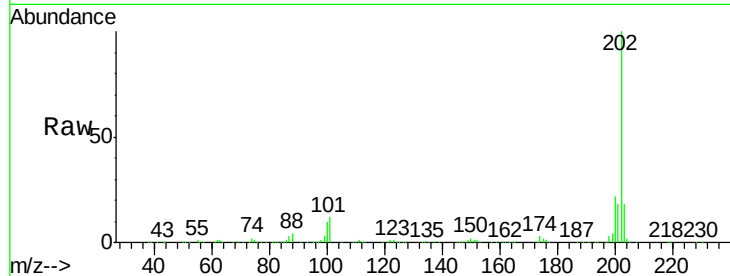
#77
 Pyrene
 Concen: 16.110 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.8	17.6	26.4
203	17.9	14.4	21.6

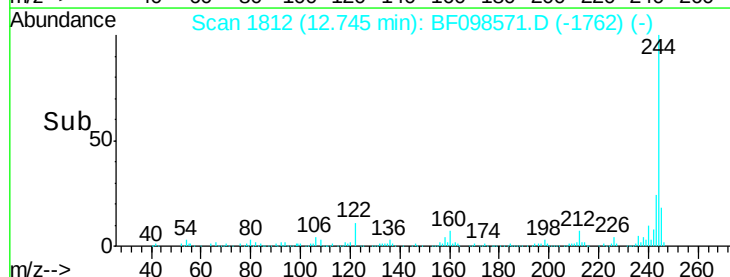
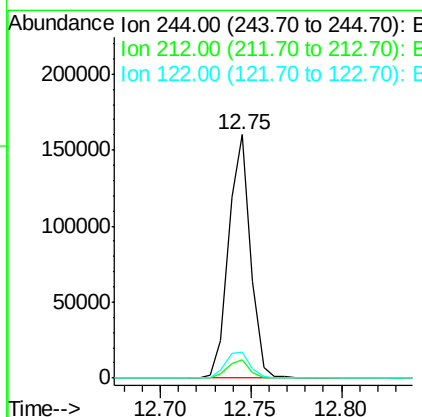
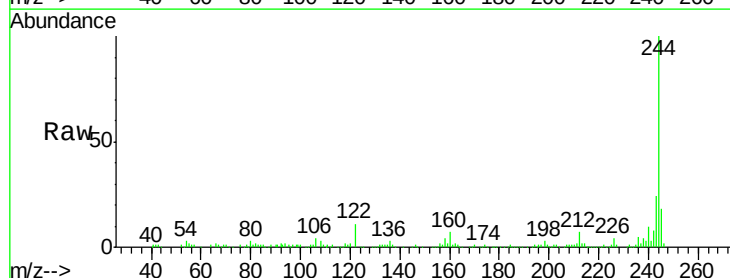
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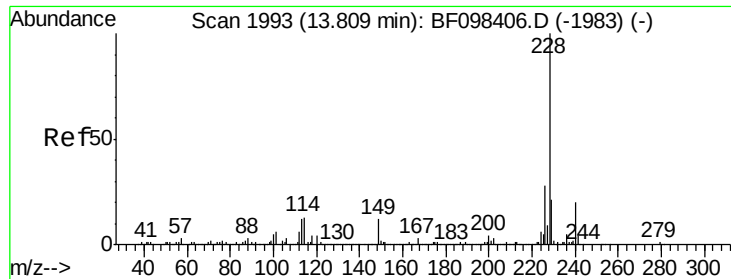
Sohil
 9/18/2017 3:33:41 PM



#78
 Terphenyl-d14
 Concen: 11.410 ng
 RT: 12.75 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	6.0	9.0
122	10.9	10.3	15.5





#80

Benzo(a)anthracene

Concen: 12.042 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

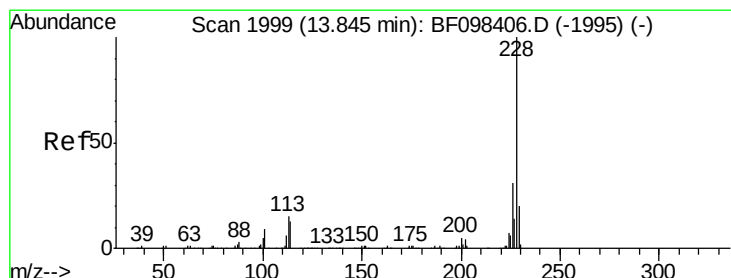
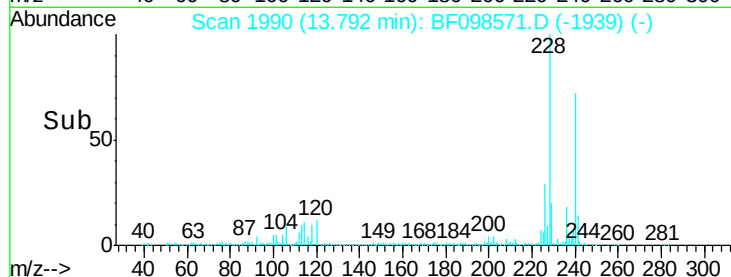
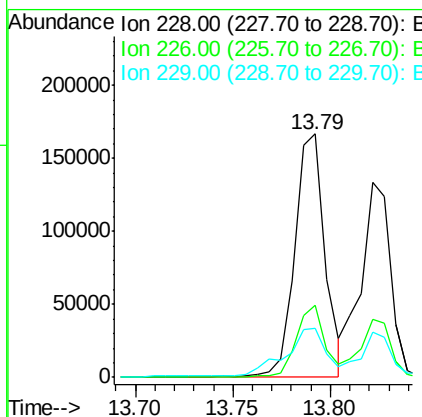
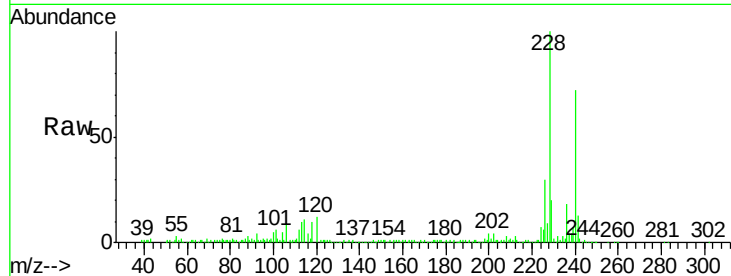
ClientSampleId :

RL-2-0-17.25DL

Tgt Ion:	228	Resp:	178926
Ion Ratio		Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.3	16.3	24.5

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#82

Chrysene

Concen: 9.430 ng

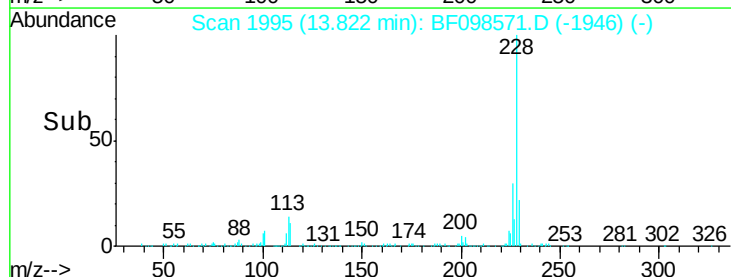
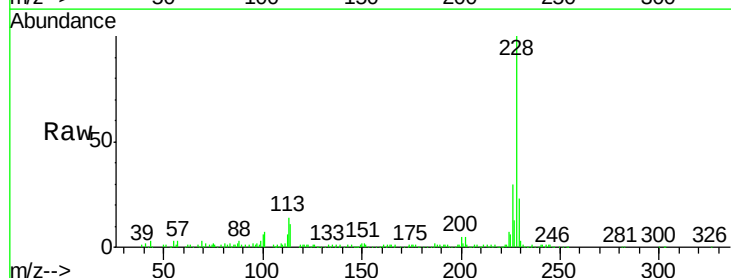
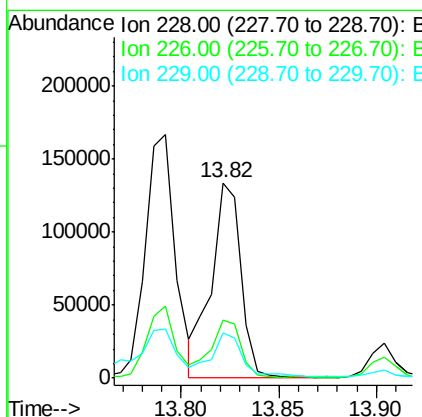
RT: 13.82 min Scan# 1995

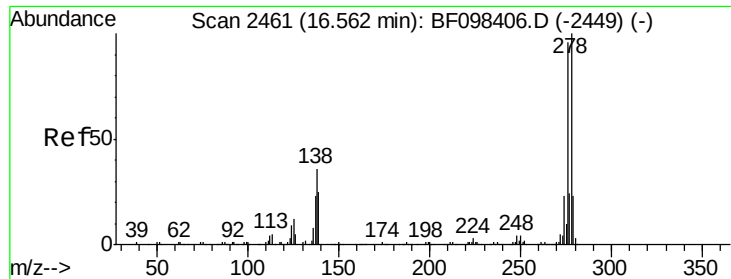
Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Tgt Ion:	228	Resp:	141637
Ion Ratio		Lower	Upper
228	100		
226	30.1	24.9	37.3
229	23.1	15.8	23.6





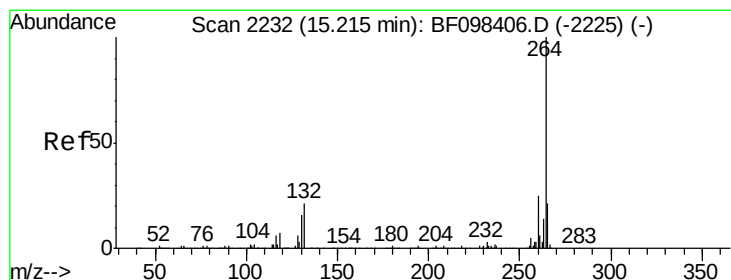
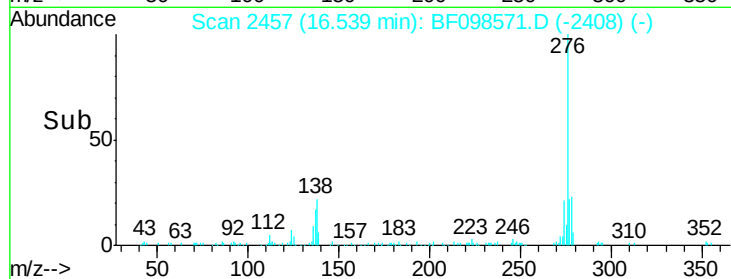
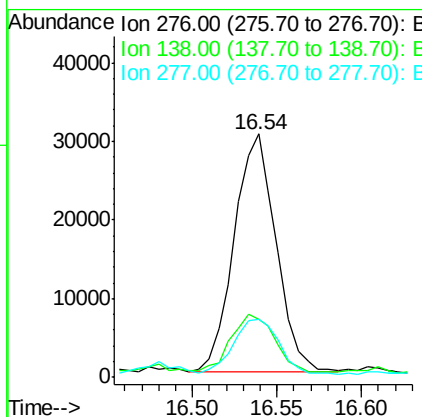
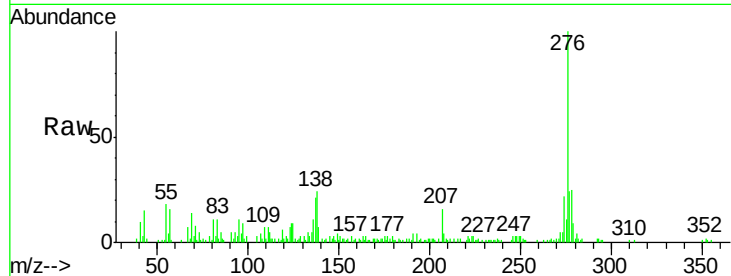
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.973 ng
 RT: 16.54 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	25.0	20.2	30.4

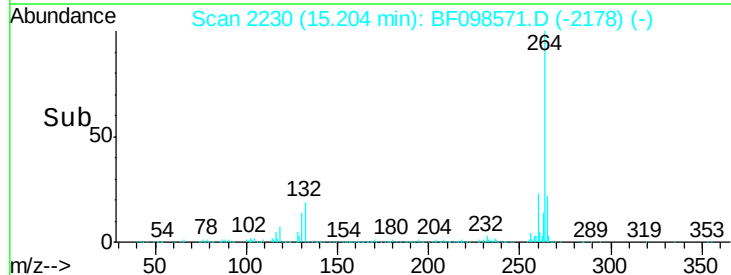
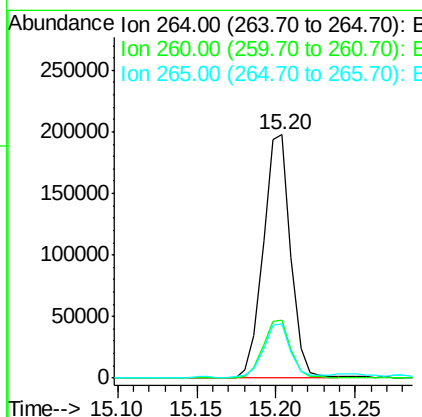
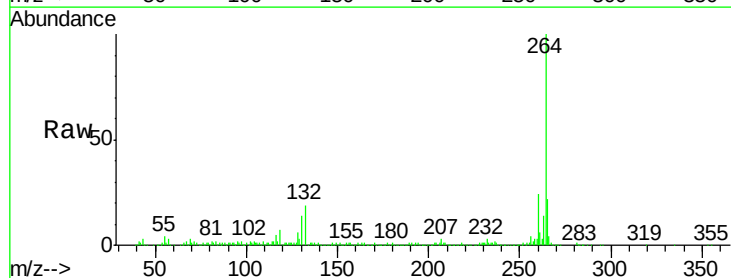
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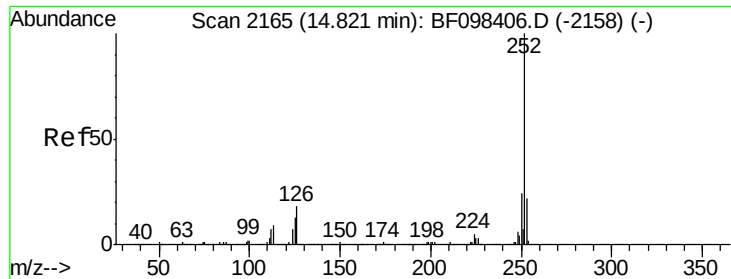
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. 0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.2	17.2	25.8





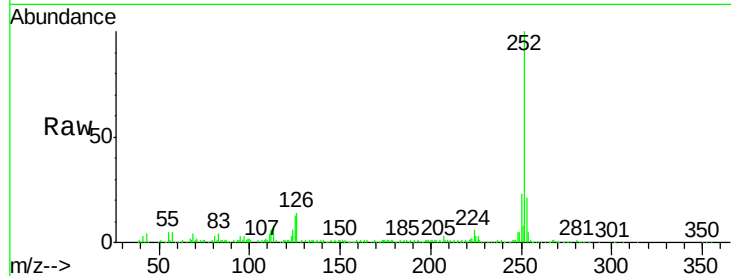
#87
Benzo(b)fluoranthene
Concen: 11.908 ng m
RT: 14.81 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

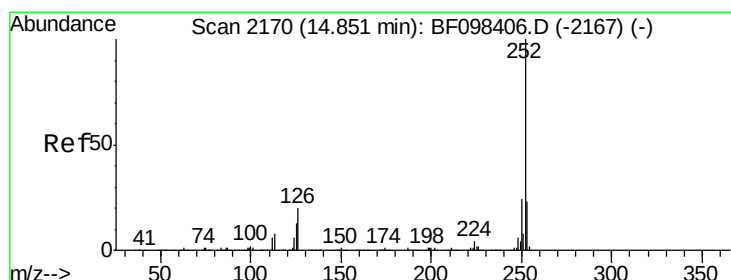
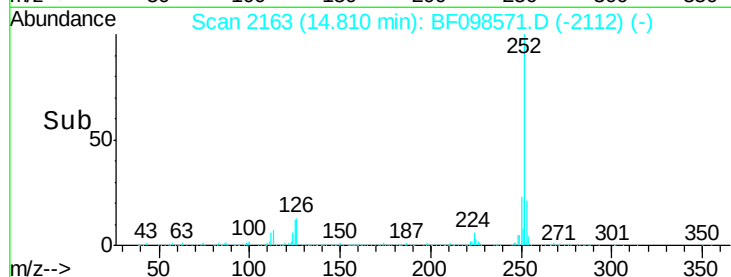
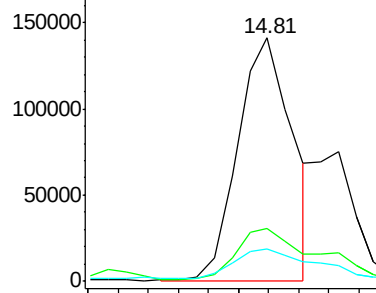
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	13.5	9.8	14.8

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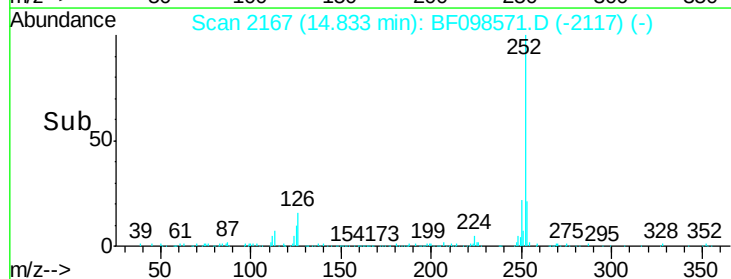
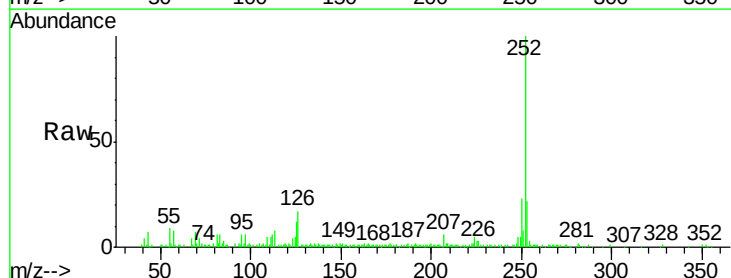
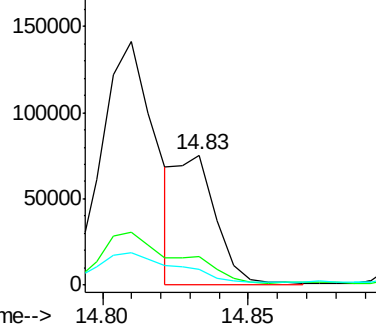
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

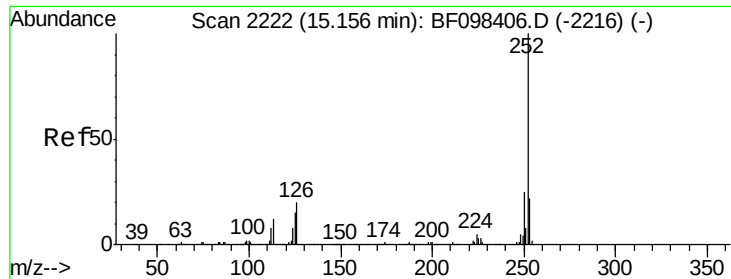


#88
Benzo(k)fluoranthene
Concen: 5.023 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	12.4	13.1	19.7#

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





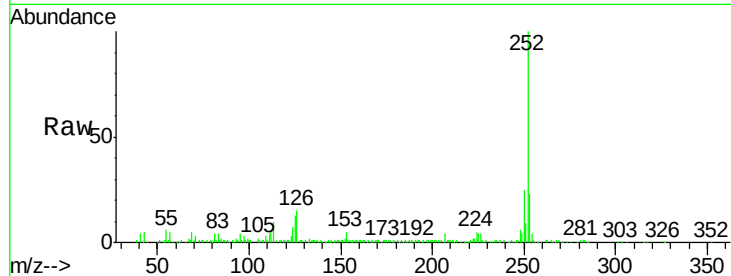
#89
Benzo(a)pyrene
Concen: 9.045 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

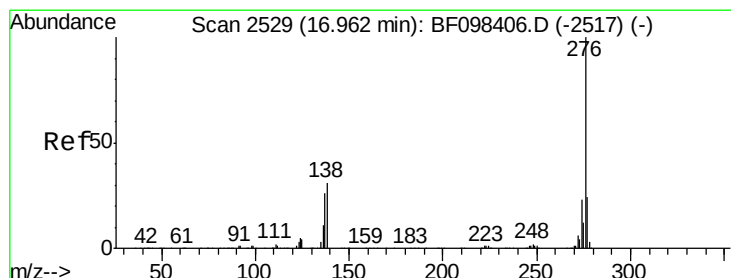
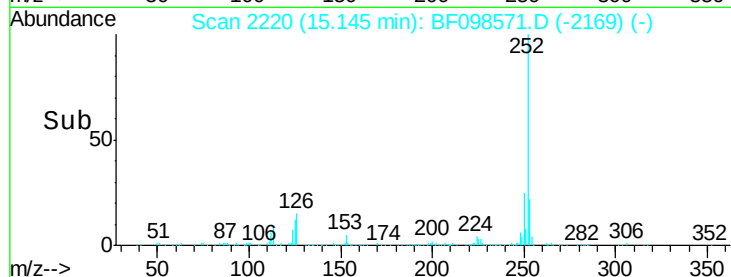
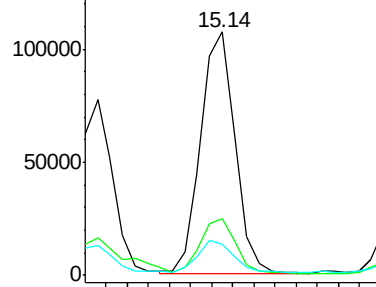
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.5	26.3
125	12.8	11.0	16.4

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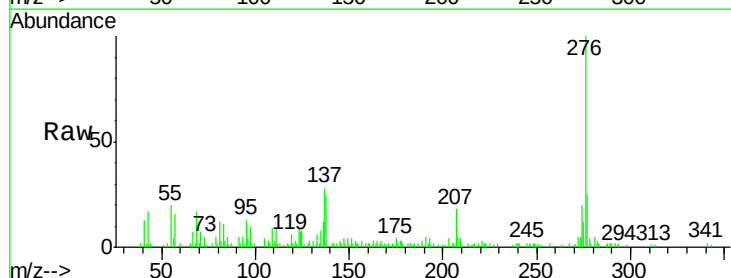


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.904 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.6	18.6	28.0
138	24.1	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

