

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098232.D
 Acq On : 1 Sep 2017 17:45
 Operator : SJ/JU
 Sample : I5049-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Manual Integrations
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Quant Time: Sep 01 23:00:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	105991	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	399366	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	148430	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	224436	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	233056	20.00	ng	-0.03
86) Perylene-d12	15.29	264	168226	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	190092	27.28	ng	-0.03
7) Phenol-d6	6.35	99	258349	27.29	ng	-0.04
23) Nitrobenzene-d5	7.28	82	149027	20.27	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	26889	20.88	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	220827	21.86	ng	-0.04
78) Terphenyl-d14	12.82	244	134456	12.03	ng	-0.04
Target Compounds						
48) Acenaphthylene	9.62	152	32883	2.094	ng	98
49) Dimethylphthalate	9.47	163	26634	2.455	ng	98
70) Phenanthrene	11.26	178	100520	8.405	ng	98
71) Anthracene	11.31	178	24434	2.014	ng	95
74) Fluoranthene	12.45	202	130350	10.442	ng	99
77) Pyrene	12.67	202	200023	10.494	ng	98
80) Benzo(a)anthracene	13.86	228	101716m	7.282	ng	
82) Chrysene	13.89	228	93885	6.757	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	23941	2.342	ng	# 89
87) Benzo(b)fluoranthene	14.88	252	78298m	7.384	ng	
88) Benzo(k)fluoranthene	14.90	252	22869m	2.296	ng	
89) Benzo(a)pyrene	15.22	252	62648	6.674	ng	93
91) Benzo(a,h,i)perylene	17.06	276	33019	4.141	ng	95

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

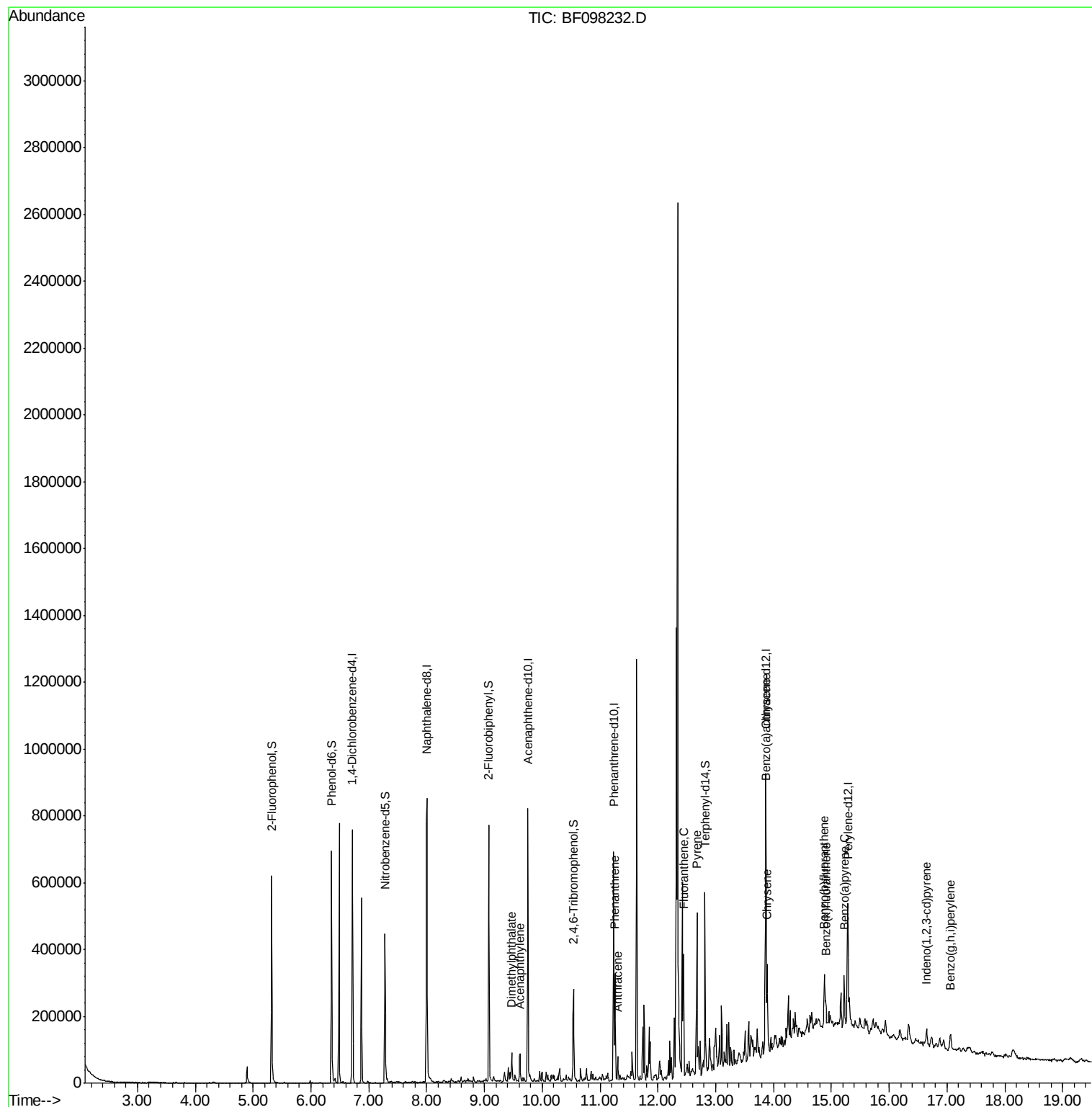
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
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Instrument :
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#1

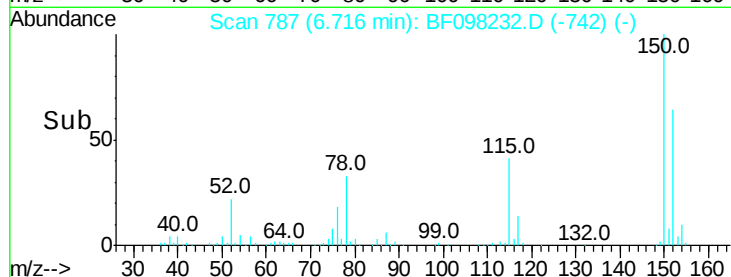
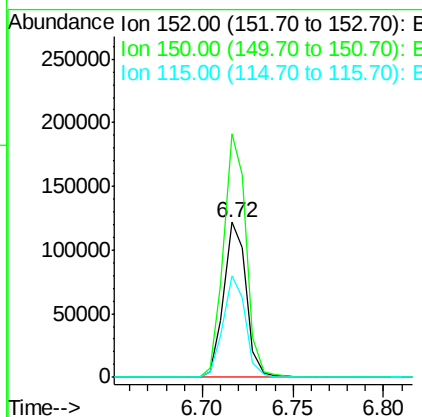
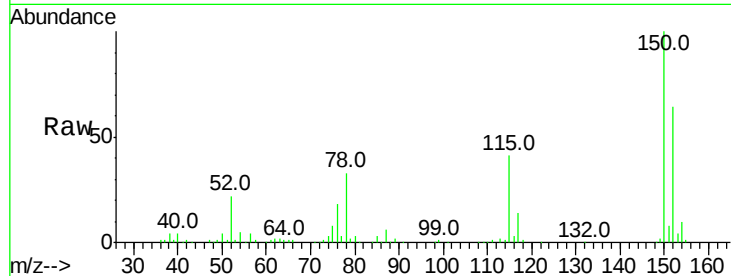
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	65.1	52.2	78.2

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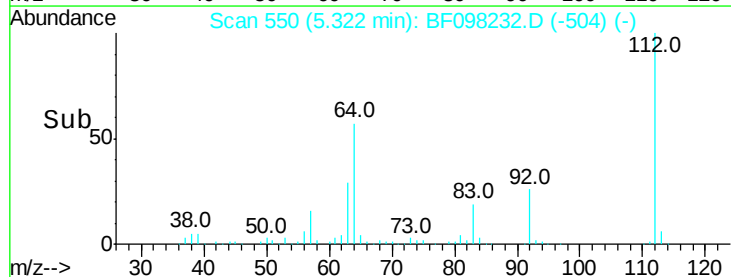
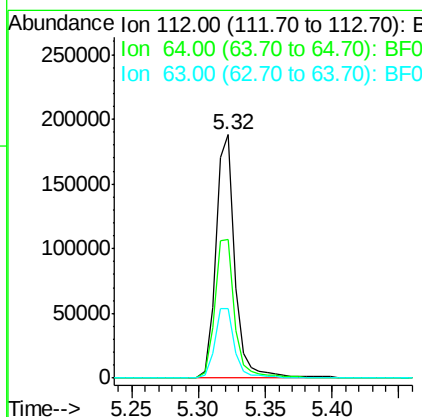
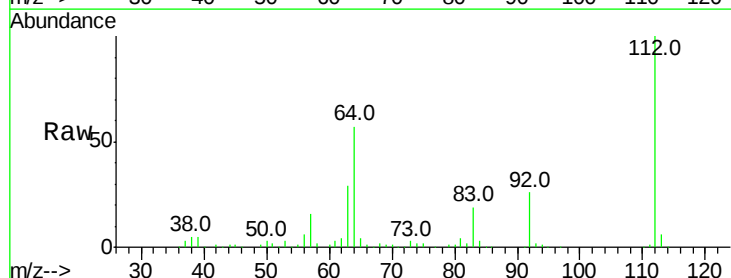
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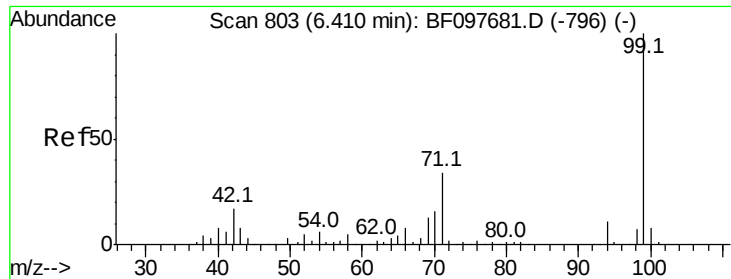


#5

2-Fluorophenol
Concen: 27.280 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.0	69.0
63	28.8	23.4	35.0





#7

Phenol-d6

Concen: 27.287 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

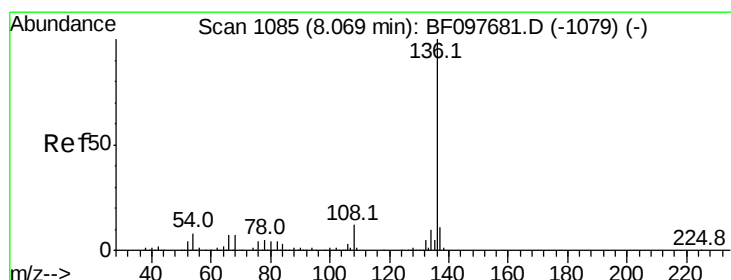
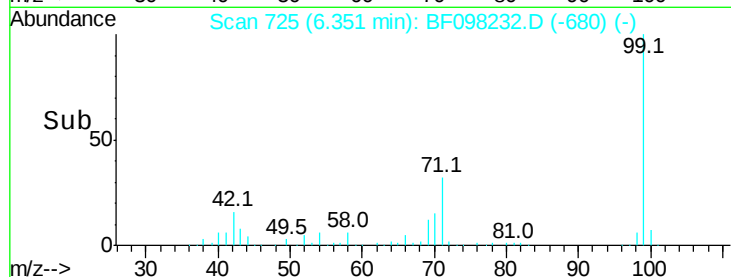
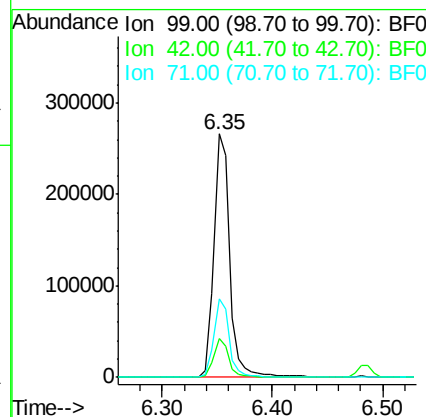
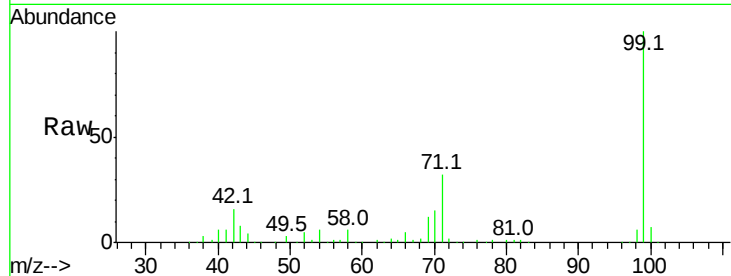
ClientSampleId :

TR-04-083017

Tot Ion:	99	Resp:	258349
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.5	20.3
71	32.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

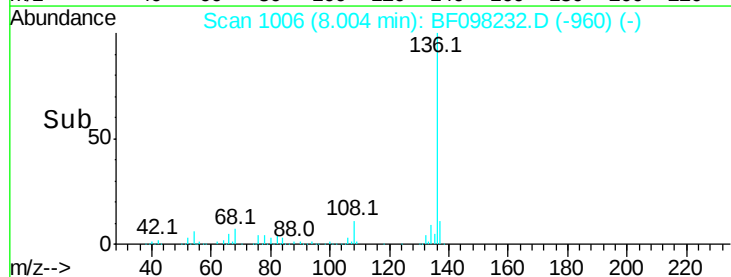
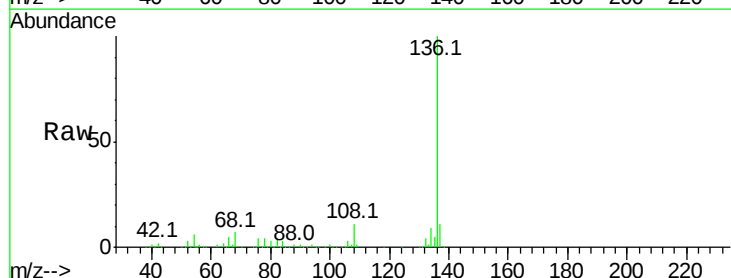
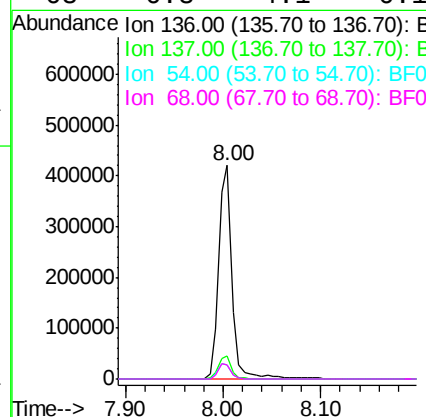
RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion:	136	Resp:	399366
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.4	4.9	7.3
68	6.8	4.1	6.1#





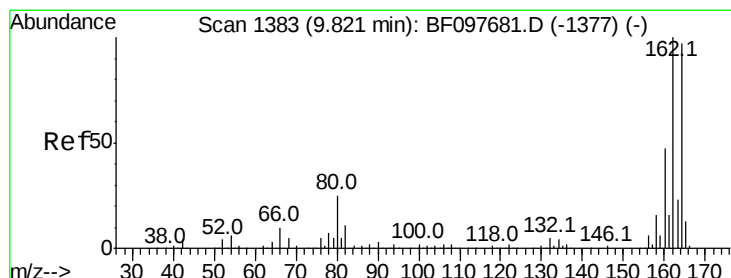
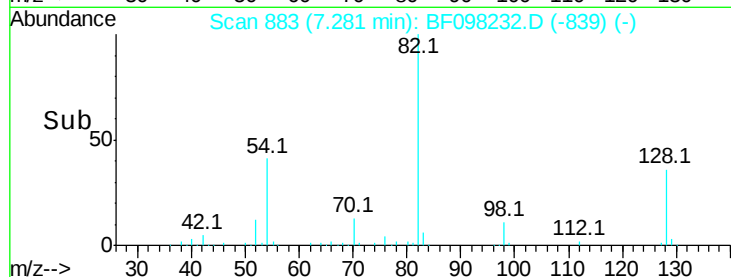
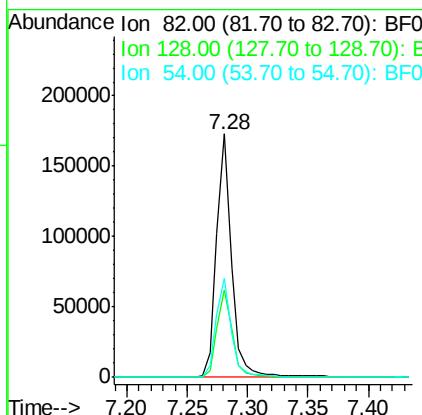
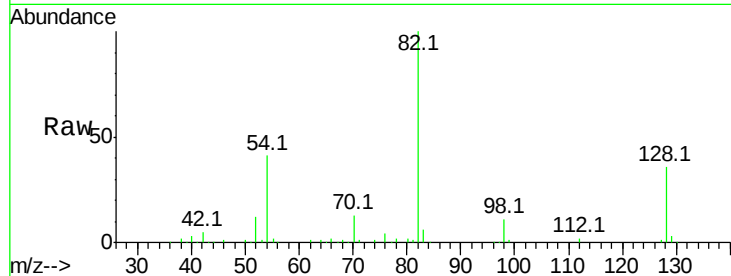
#23
Nitrobenzene-d5
Concen: 20.272 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.0	34.0	51.0	
54	40.6	42.2	63.2	

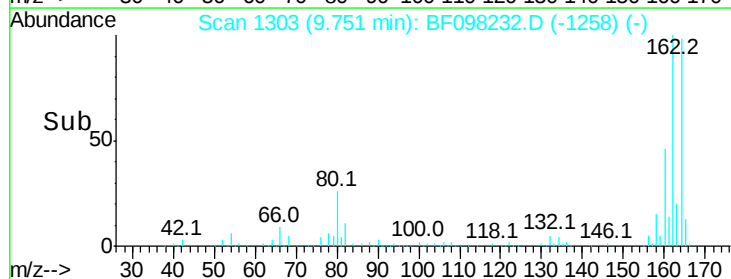
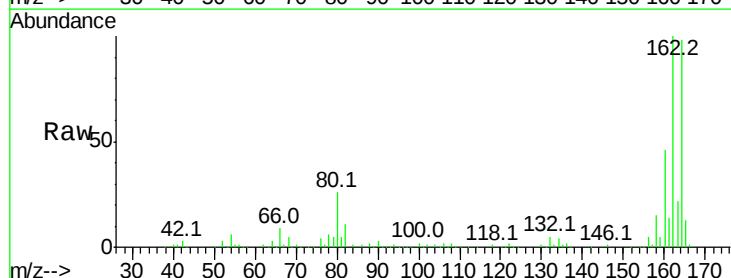
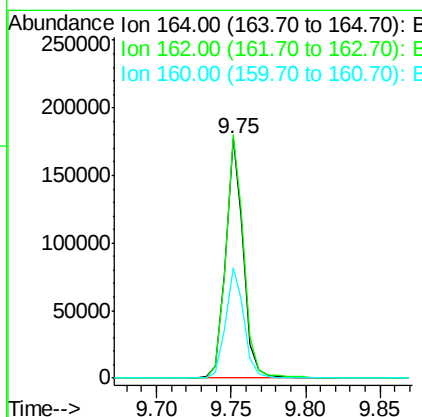
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	82.6	123.8	
160	46.4	36.2	54.2	





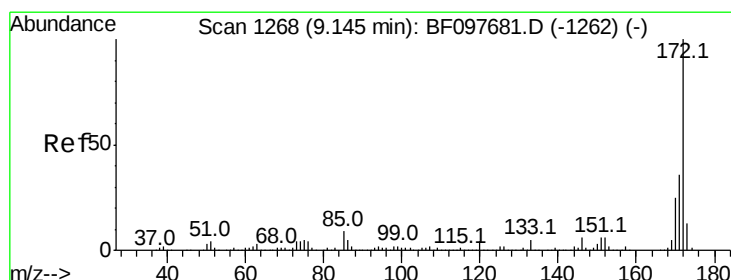
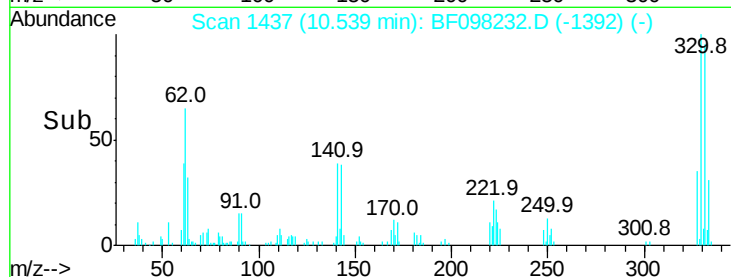
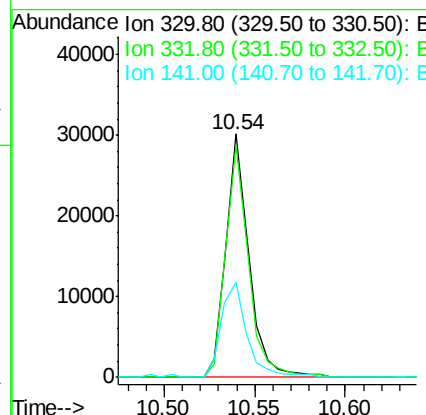
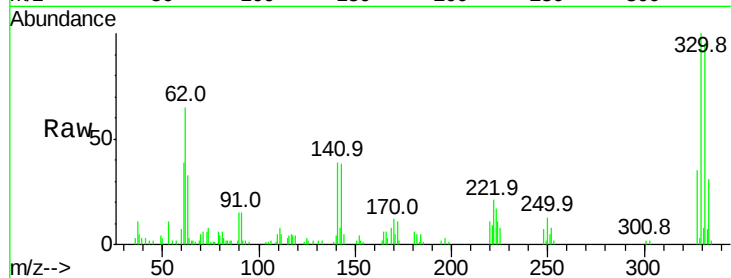
#41
 2,4,6-Tribromophenol
 Concen: 20.879 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26889		
332	94.4		76.6	115.0
141	43.3		31.4	47.2

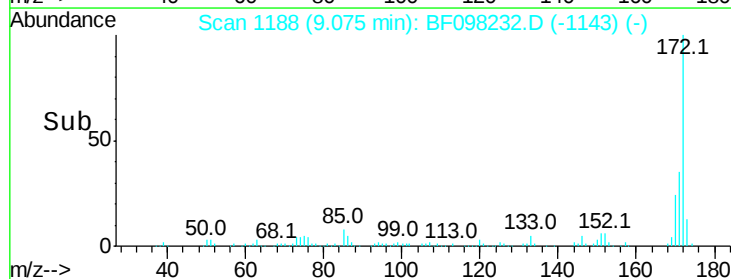
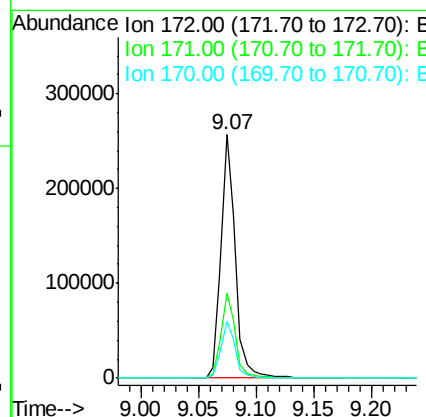
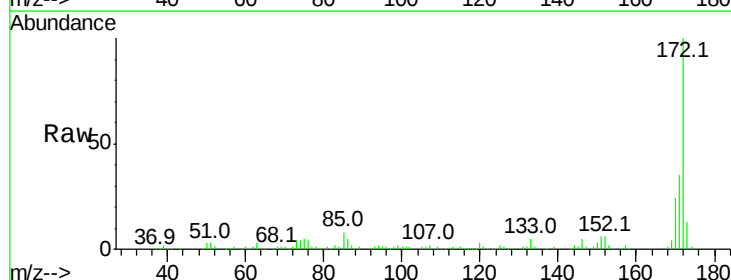
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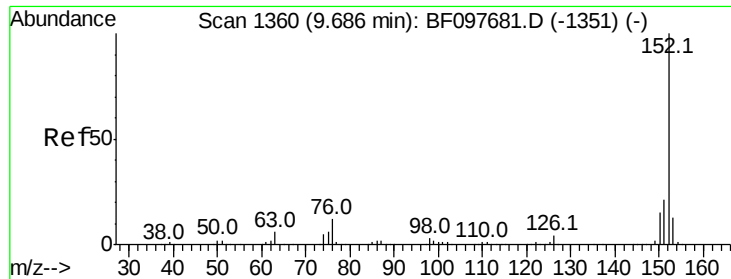
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#44
 2-Fluorobiphenyl
 Concen: 21.858 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	220827		
171	35.1		29.6	44.4
170	23.5		19.8	29.8





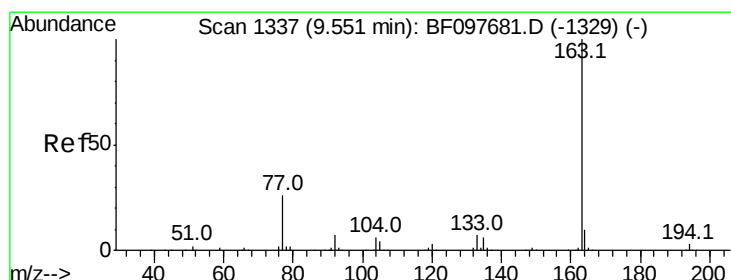
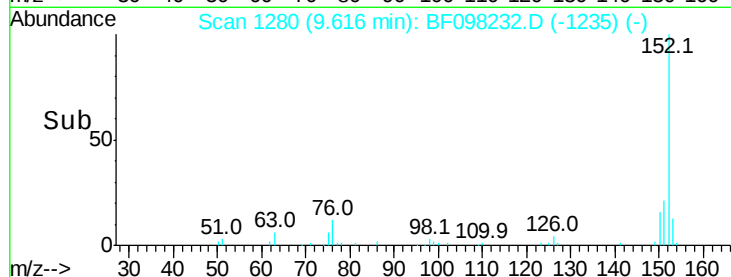
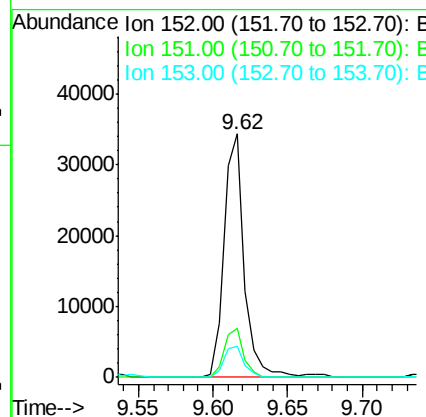
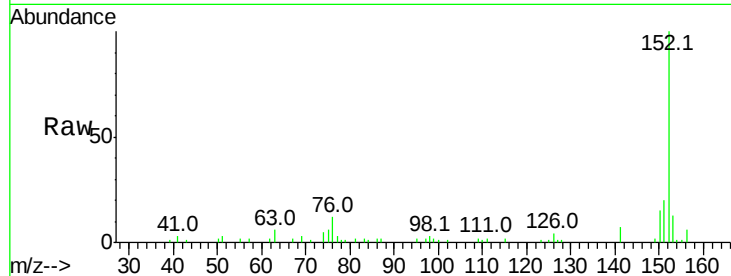
#48
Acenaphthylene
Concen: 2.094 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion:	152	Resp:	32883
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.8	25.2
153	12.6	10.8	16.2

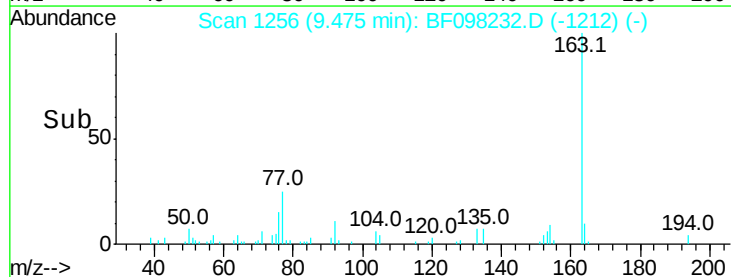
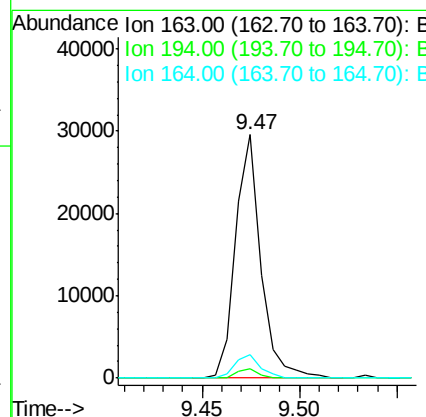
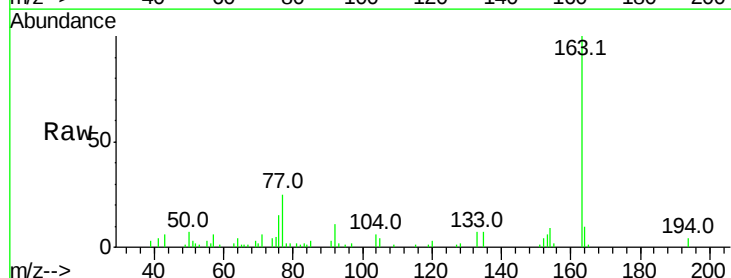
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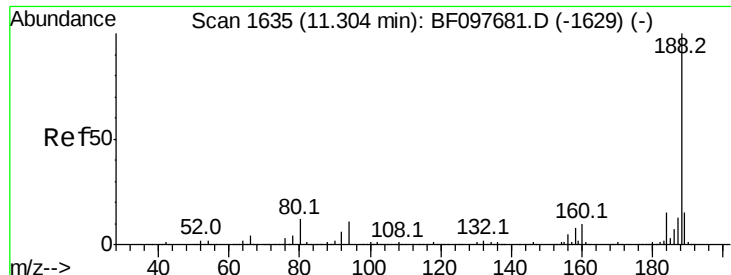
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#49
Dimethylphthalate
Concen: 2.455 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion:	163	Resp:	26634
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.6	4.0
164	9.7	8.4	12.6





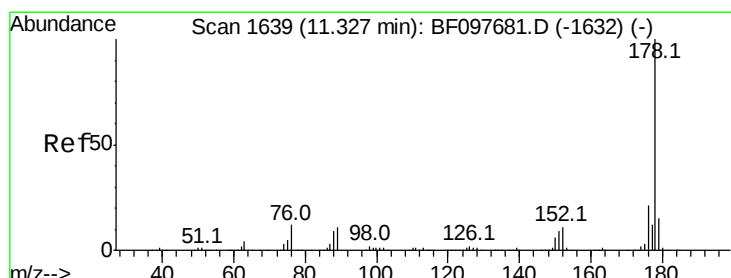
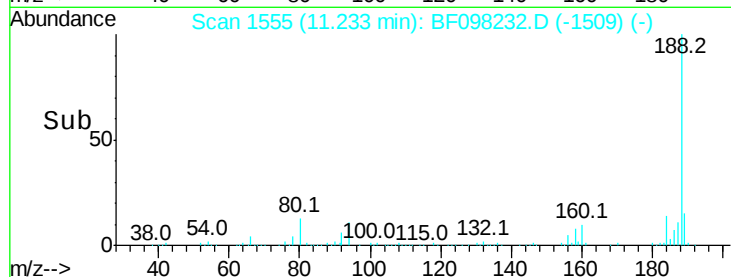
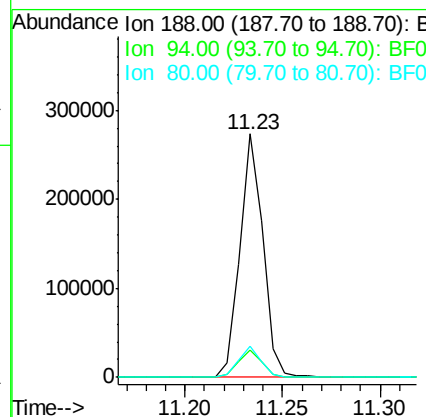
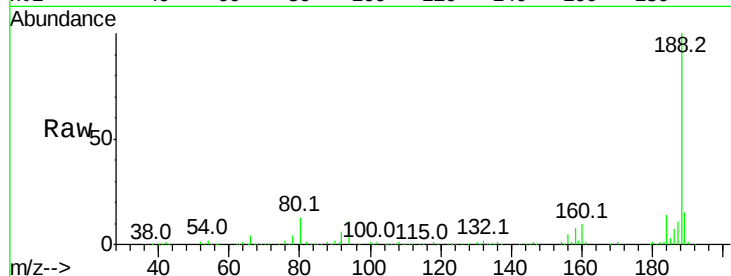
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion	Ratio	Resp	Lower	Upper
188	100	224436		
94	11.3		9.4	14.2
80	12.7		10.2	15.2

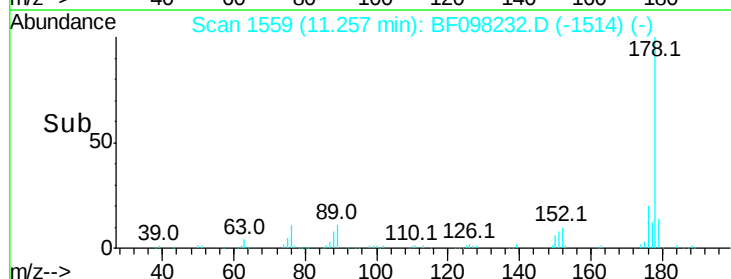
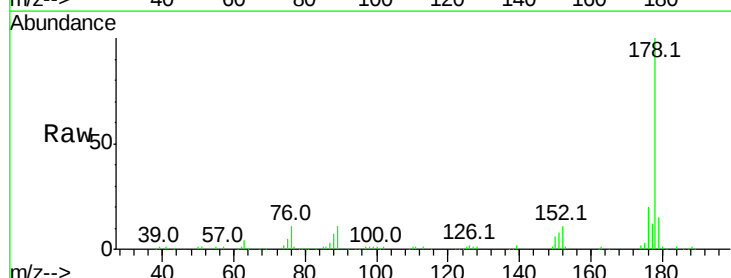
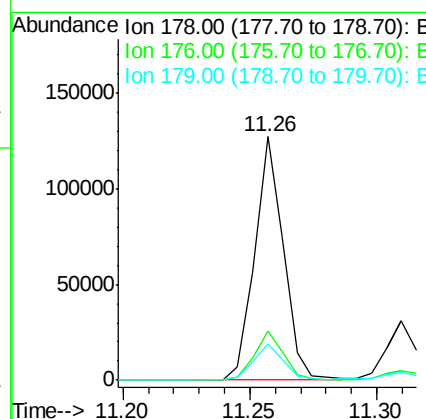
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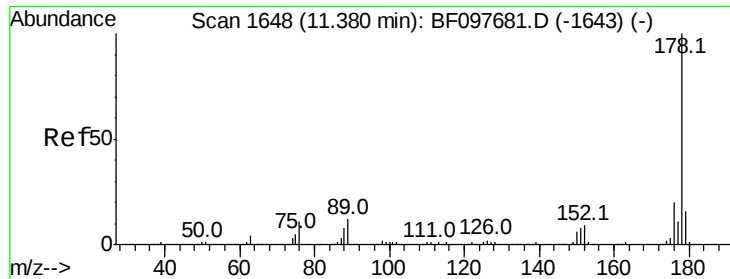
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#70
Phenanthrene
Concen: 8.405 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	100520		
176	19.9		16.2	24.4
179	14.7		12.6	19.0





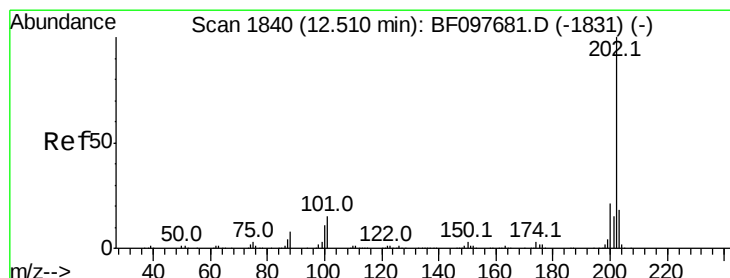
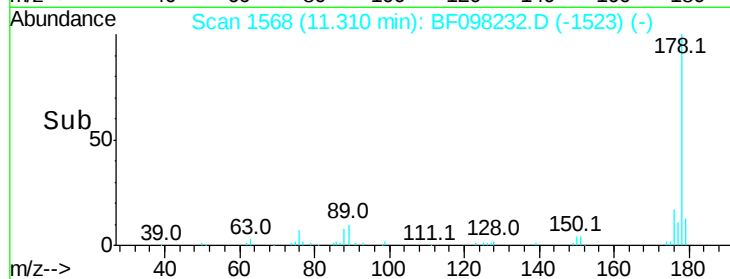
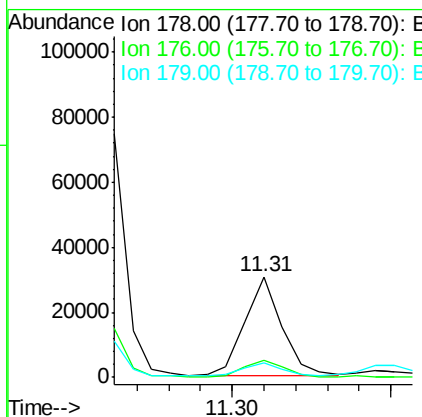
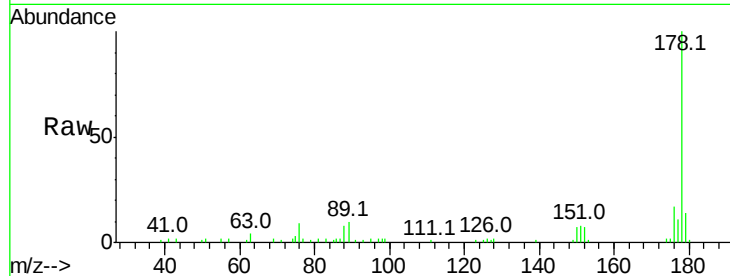
#71
 Anthracene
 Concen: 2.014 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Instrument :
 BNA_F
 ClientSampled :
 TR-04-083017

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.8	23.8
179	14.2	12.7	19.1

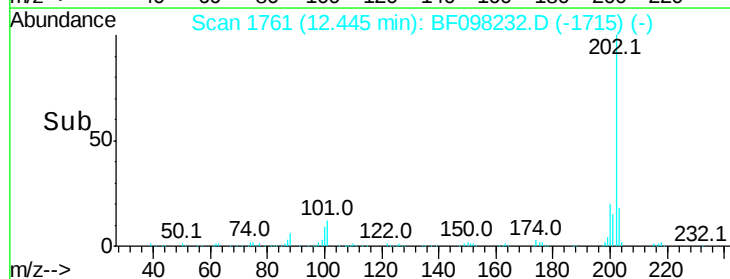
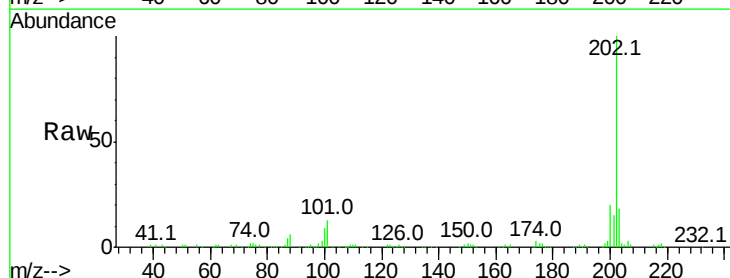
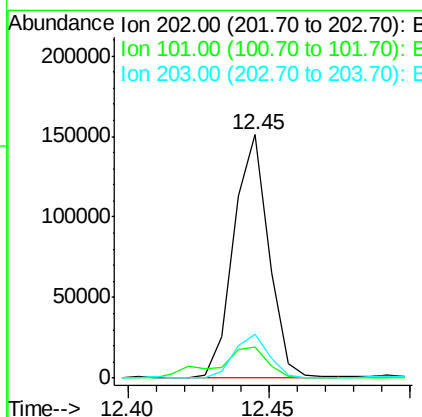
Manual Integrations
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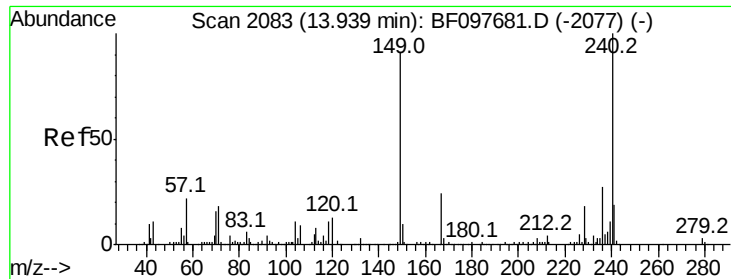
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#74
 Fluoranthene
 Concen: 10.442 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.03 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

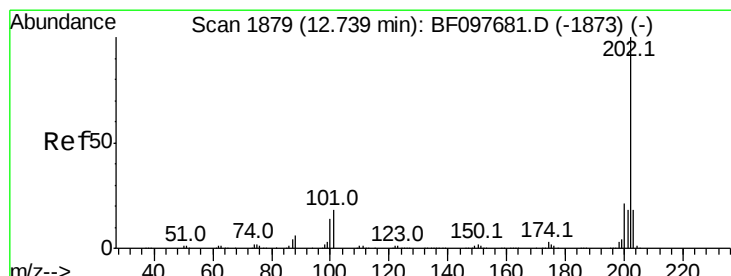
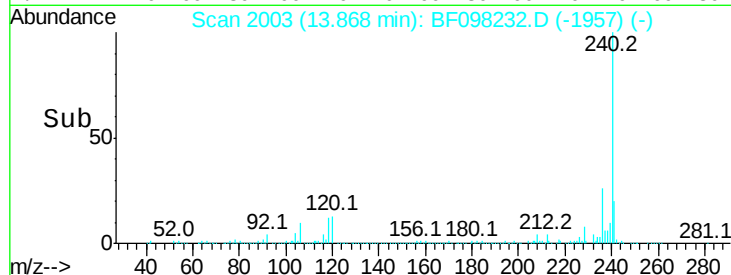
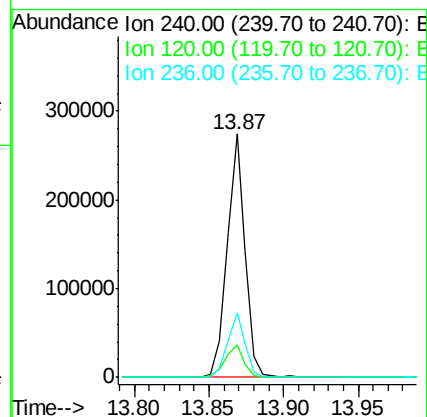
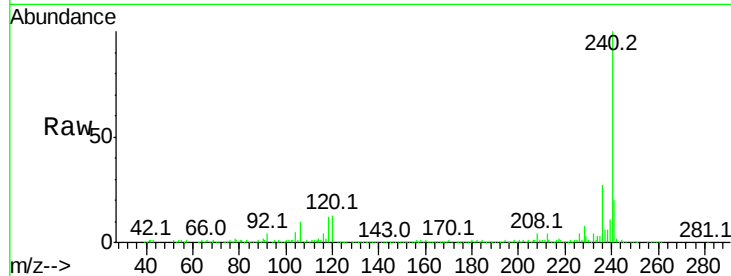
ClientSampleId :

TR-04-083017

Tot Ion:	240	Resp:	233056
Ion Ratio	Lower	Upper	
240	100		
120	13.4	5.8	8.8#
236	26.6	20.5	30.7

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#77

Pyrene

Concen: 10.494 ng

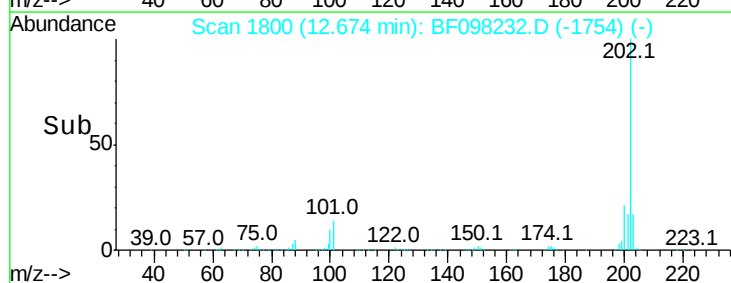
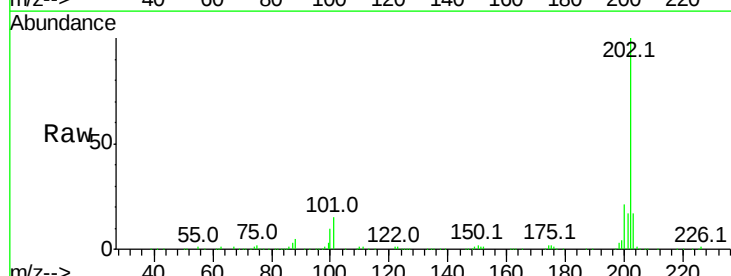
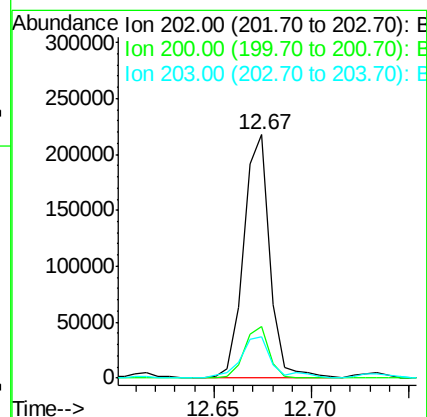
RT: 12.67 min Scan# 1800

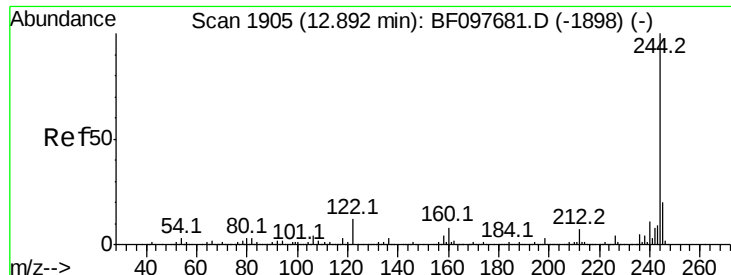
Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion:	202	Resp:	200023
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	17.2	14.4	21.6





#78

Terphenyl-d14

Concen: 12.031 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

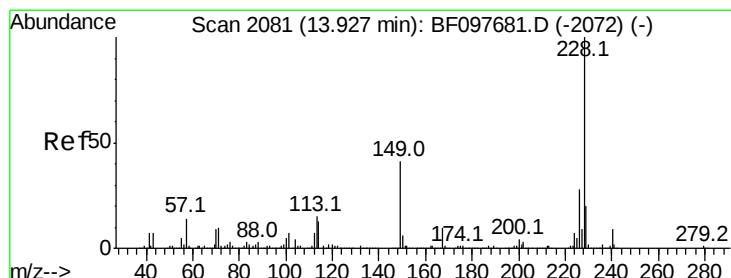
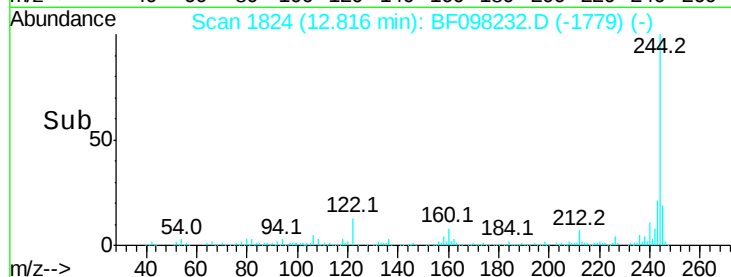
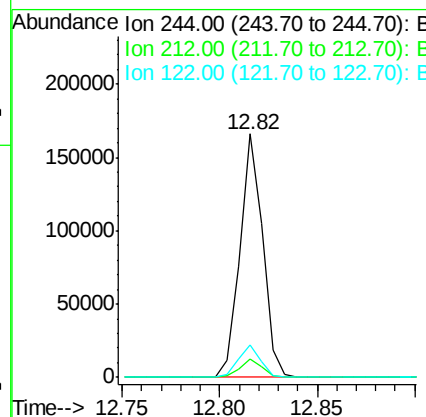
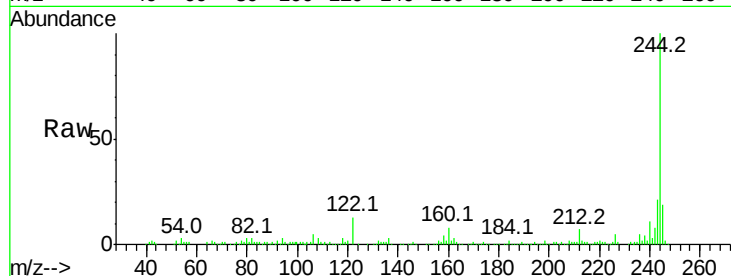
ClientSampleId :

TR-04-083017

Tot Ion:	244	Resp:	134456
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	13.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.282 ng m

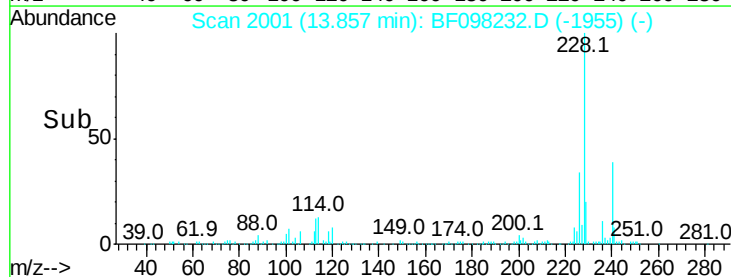
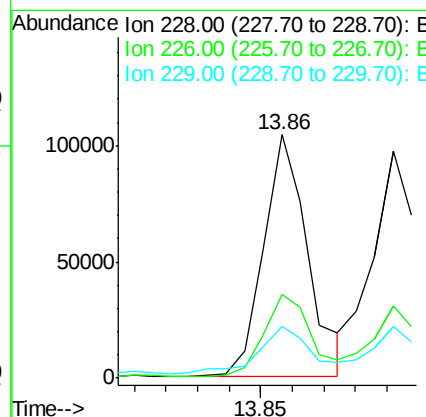
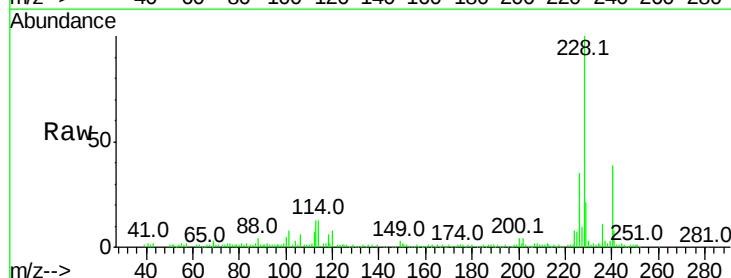
RT: 13.86 min Scan# 2001

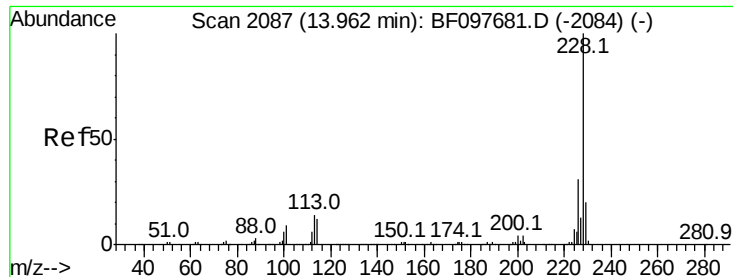
Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion:	228	Resp:	101716
Ion Ratio	Lower	Upper	
228	100		
226	34.6	22.6	33.8#
229	21.4	16.3	24.5





#82

Chrysene

Concen: 6.757 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

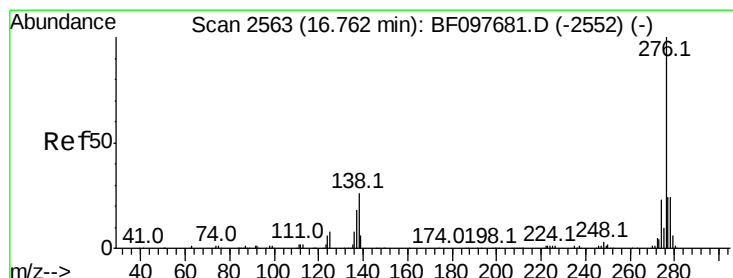
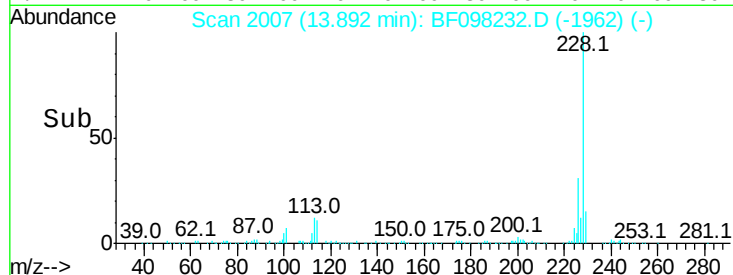
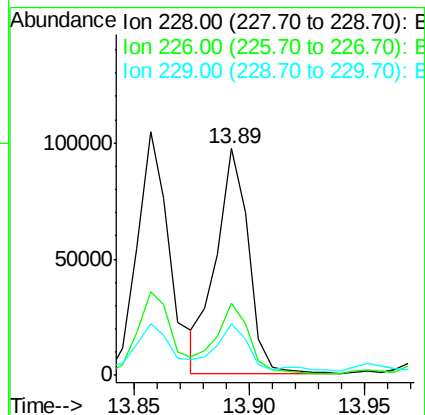
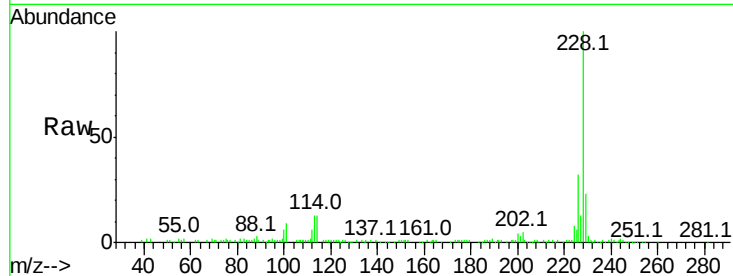
ClientSampled :

TR-04-083017

Tot Ion:	228	Resp:	93885
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.9	37.3
229	22.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.342 ng

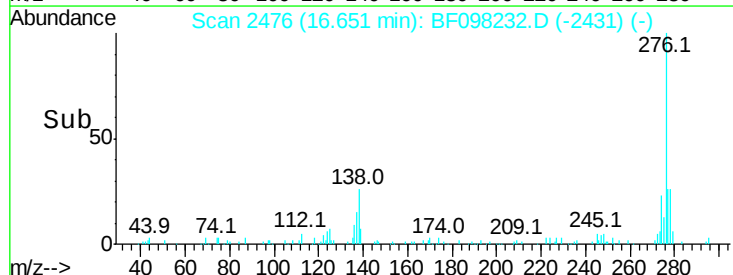
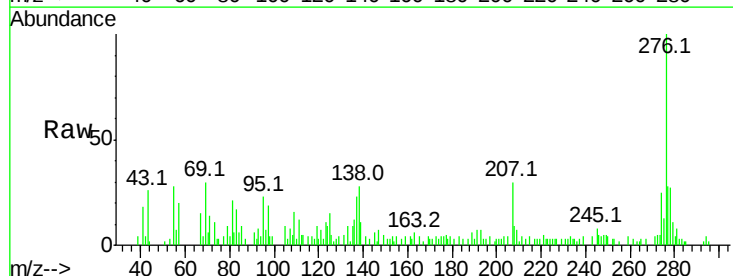
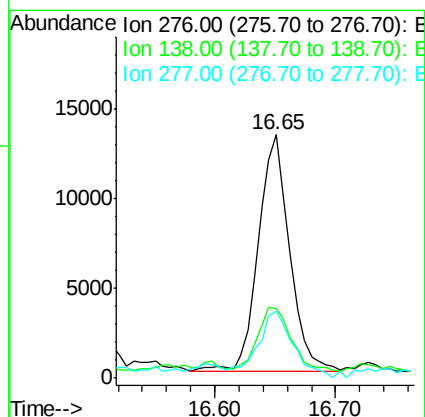
RT: 16.65 min Scan# 2476

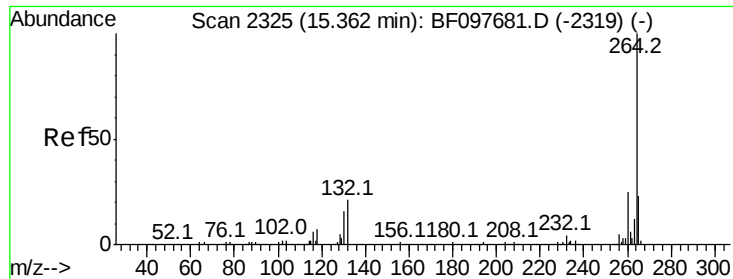
Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion:	276	Resp:	23941
Ion Ratio	Lower	Upper	
276	100		
138	29.2	27.8	41.6
277	32.3	20.2	30.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

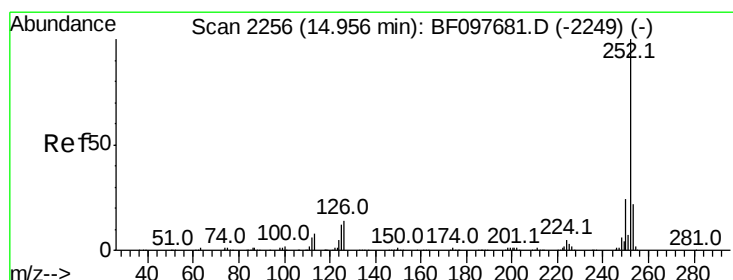
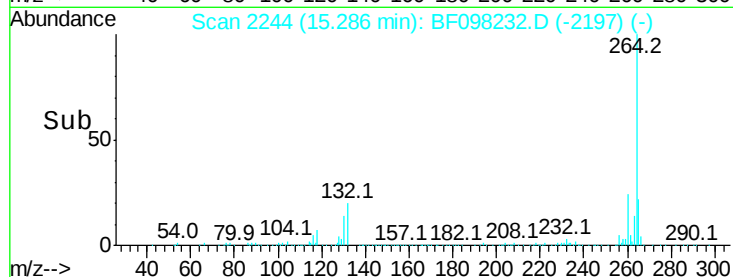
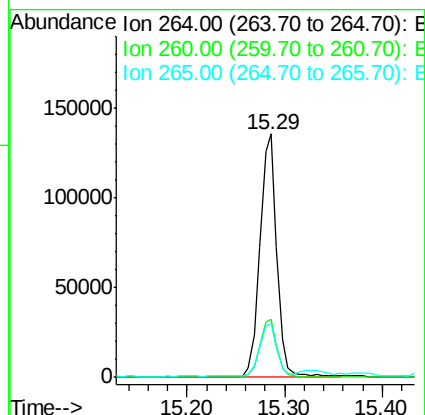
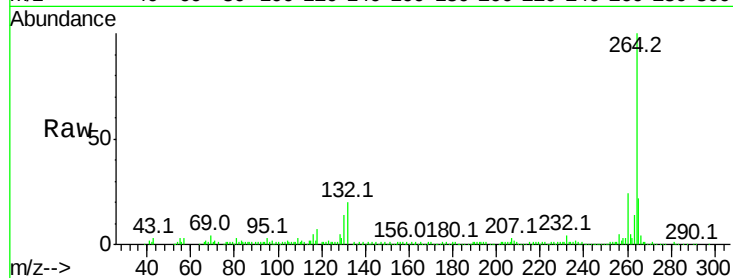
ClientSampleId :

TR-04-083017

Tot Ion:	264	Resp:	168226
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 7.384 ng m

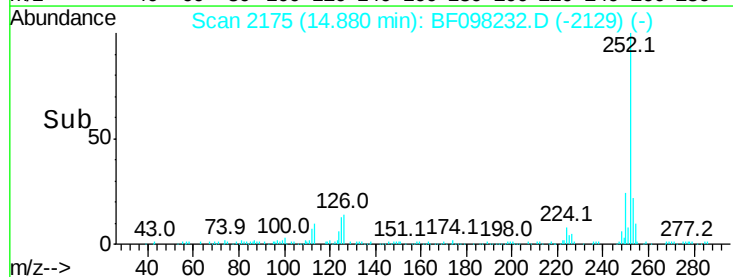
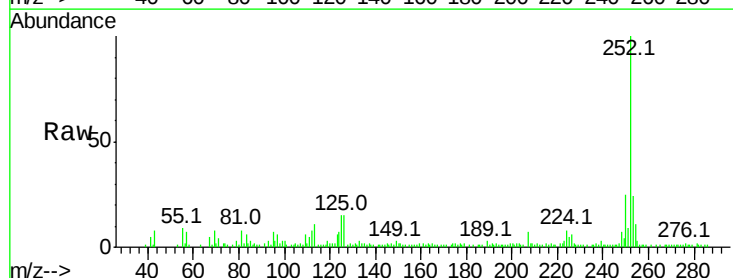
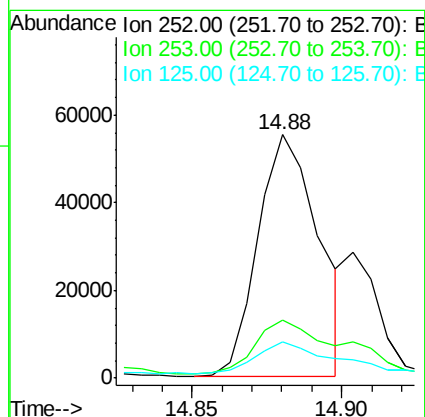
RT: 14.88 min Scan# 2175

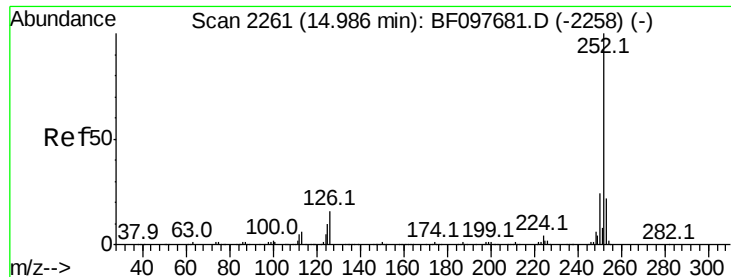
Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion:	252	Resp:	78298
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	14.7	9.8	14.8





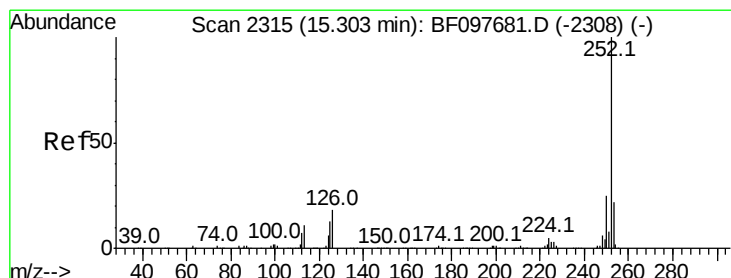
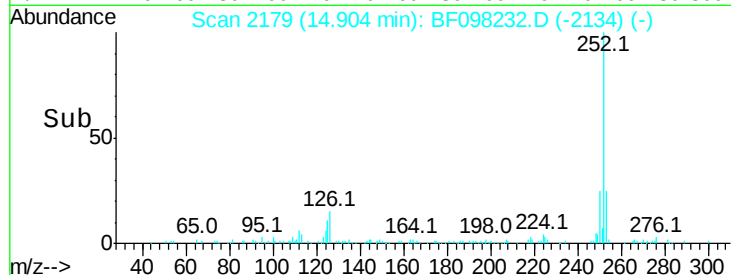
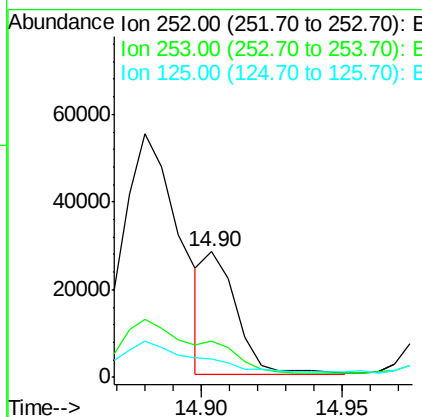
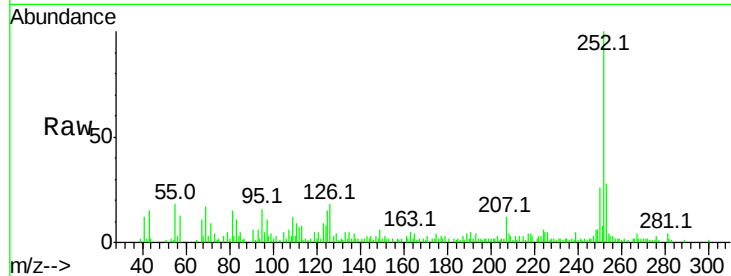
#88
Benzo(k)fluoranthene
Concen: 2.296 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.4	27.6#
125	14.6	13.1	19.7

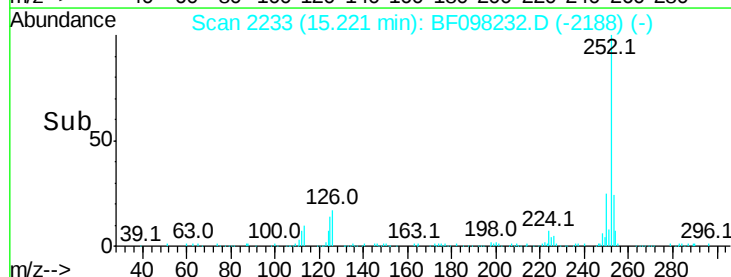
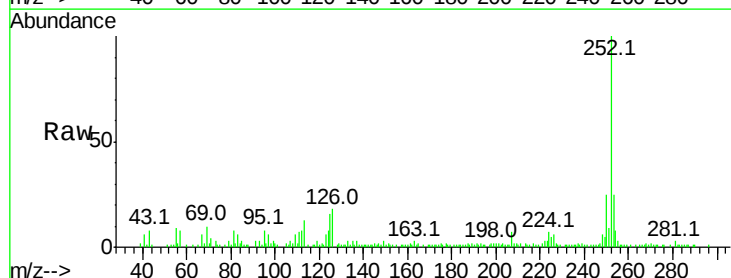
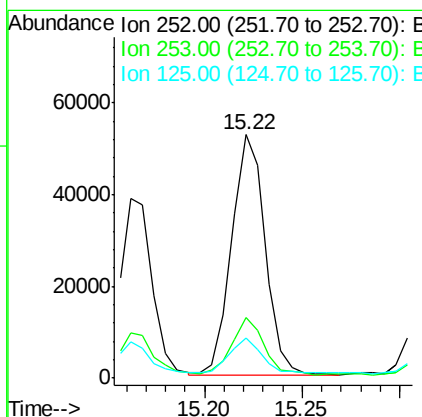
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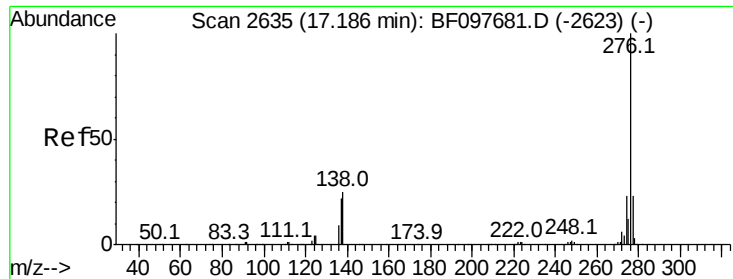
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#89
Benzo(a)pyrene
Concen: 6.674 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	16.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.141 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.05 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Tot Ion:	276	Resp:	33019
Ion Ratio		Lower	Upper
276	100		
277	25.9	18.6	28.0
138	28.6	25.4	38.0

Manual Integrations
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