

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098176.D
 Acq On : 31 Aug 2017 00:46
 Operator : SJ/JU
 Sample : I5007-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-082817

Manual Integrations
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 8/31/2017 7:12:50 PM

Quant Time: Aug 31 08:07:10 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	117020	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	426363	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	152766	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	243729	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	243932	20.00	ng	-0.02
86) Perylene-d12	15.29	264	178612	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	161972	21.05	ng	-0.03
7) Phenol-d6	6.36	99	213872	20.46	ng	-0.03
23) Nitrobenzene-d5	7.29	82	122264	15.58	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	22987	17.34	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	194145	18.67	ng	-0.03
78) Terphenyl-d14	12.82	244	136798	11.69	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.47	163	27113	2.428	ng	Qvalue # 99
51) Acenaphthene	9.79	154	20600	2.021	ng	99
57) Fluorene	10.30	166	31274	2.961	ng	99
70) Phenanthrene	11.26	178	159624	12.290	ng	98
71) Anthracene	11.32	178	43224	3.281	ng	99
74) Fluoranthene	12.45	202	254718	18.790	ng	99
77) Pyrene	12.68	202	229112	11.484	ng	97
80) Benzo(a)anthracene	13.86	228	108301	7.408	ng	98
82) Chrysene	13.90	228	94492	6.497	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	35996	3.365	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	101376m	9.004	ng	
88) Benzo(k)fluoranthene	14.91	252	29296m	2.770	ng	
89) Benzo(a)pyrene	15.23	252	70609	7.084	ng	96
91) Benzo(a,h,i)perylene	17.07	276	34368	4.059	ng	# 92

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

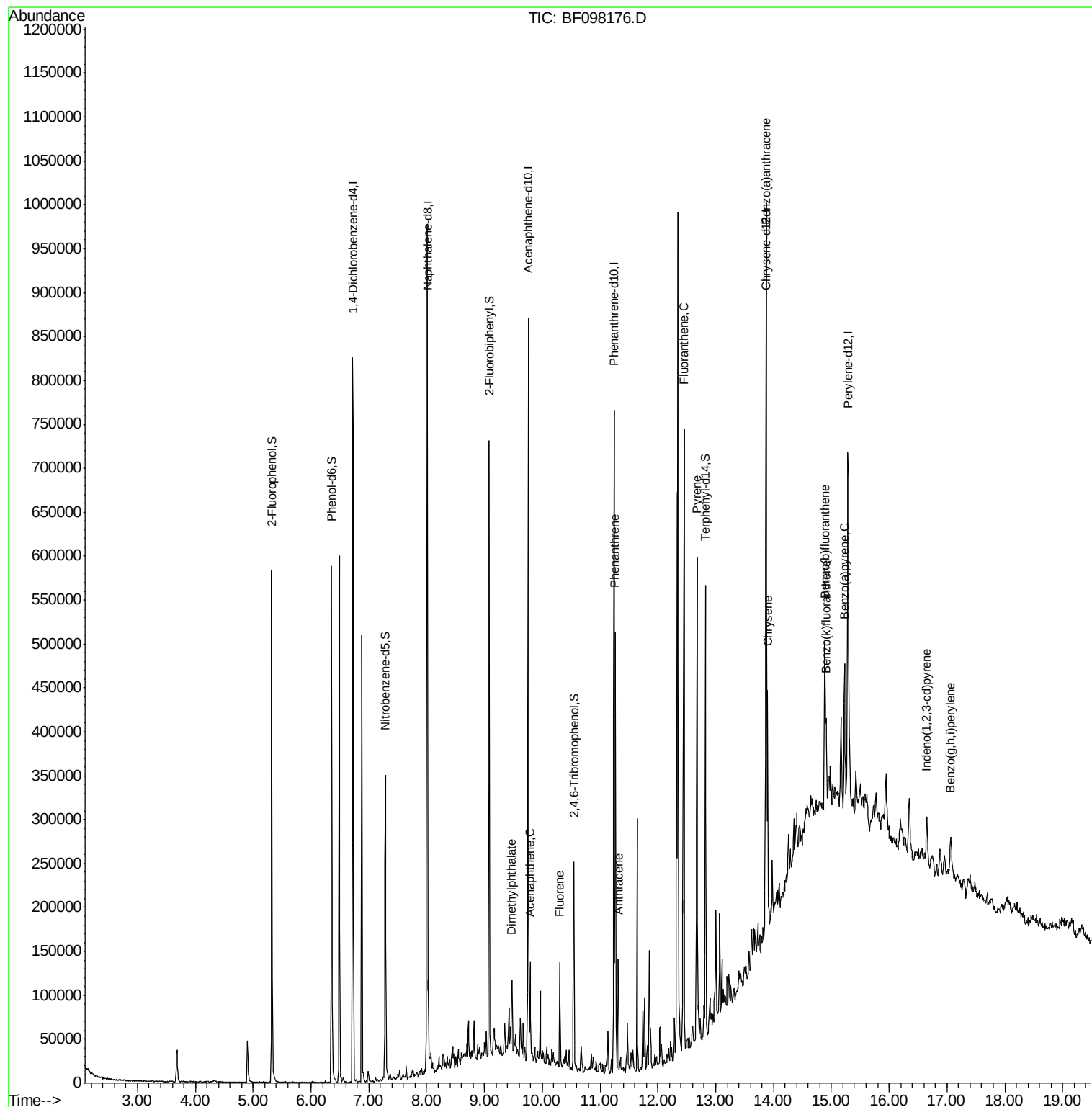
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
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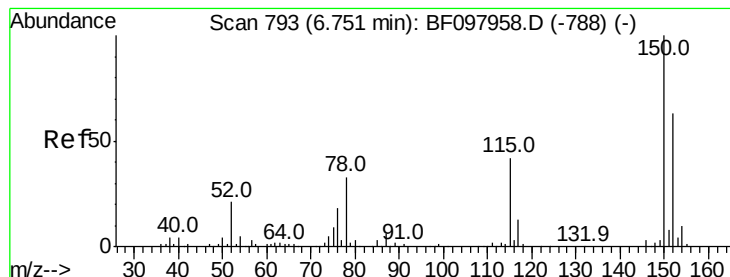
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

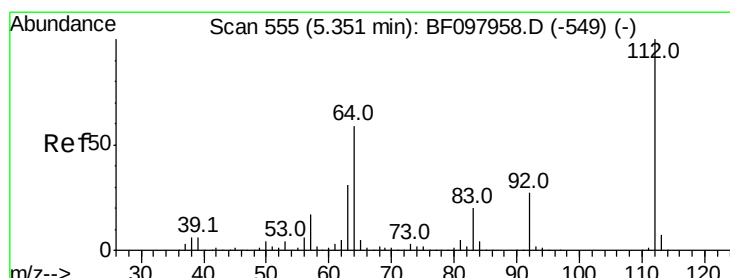
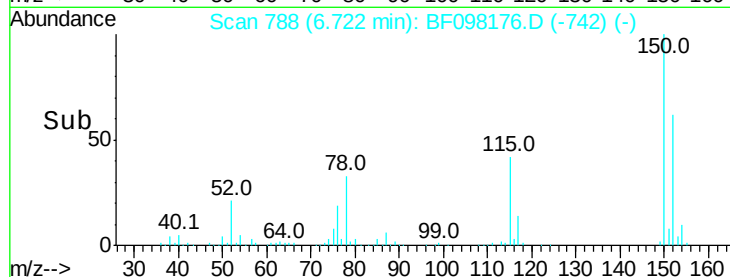
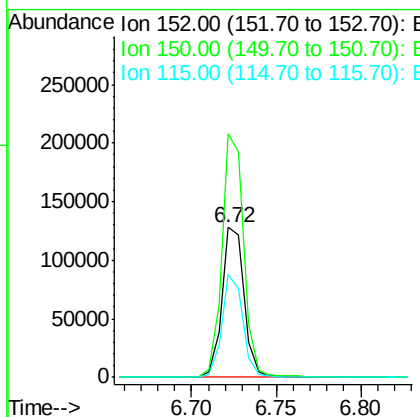
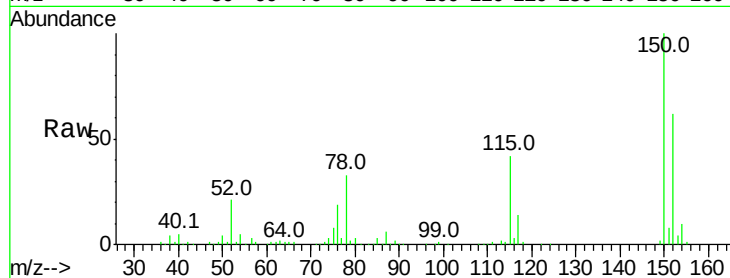
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :
TR-05-082817

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	126.2	189.2
115	68.5	52.2	78.2

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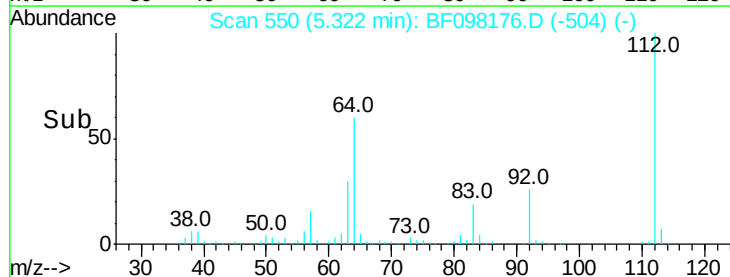
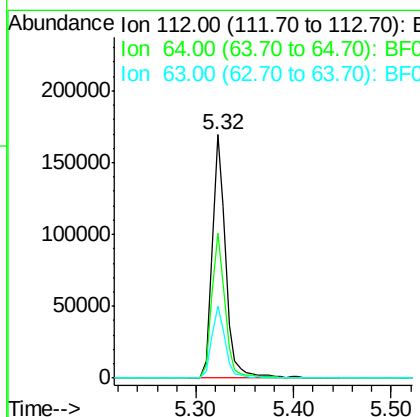
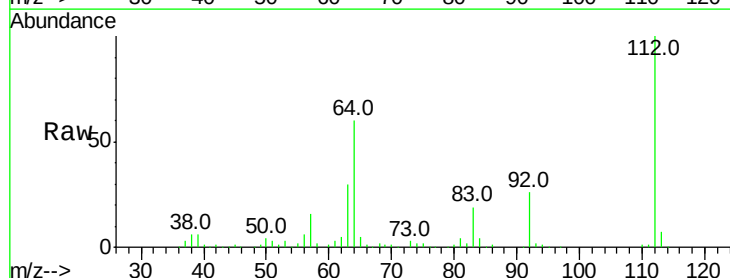
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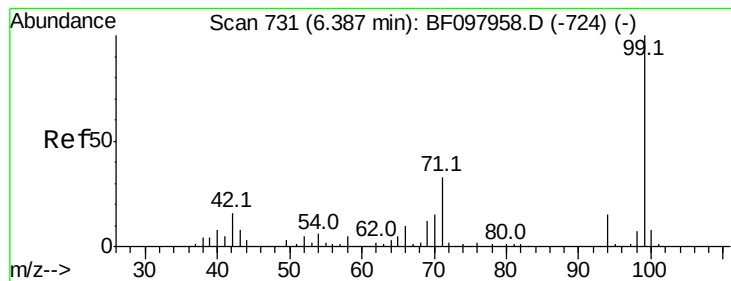


#5

2-Fluorophenol
Concen: 21.054 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.0	69.0
63	29.8	23.4	35.0





#7

Phenol-d6

Concen: 20.461 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Instrument :

BNA_F

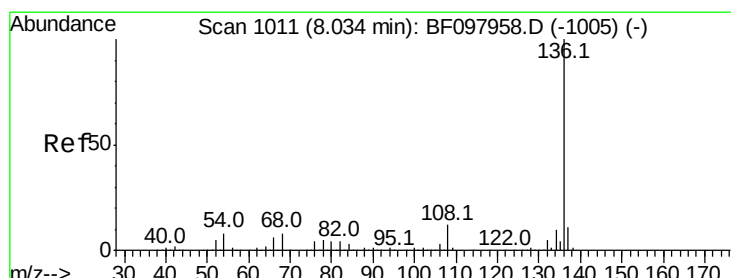
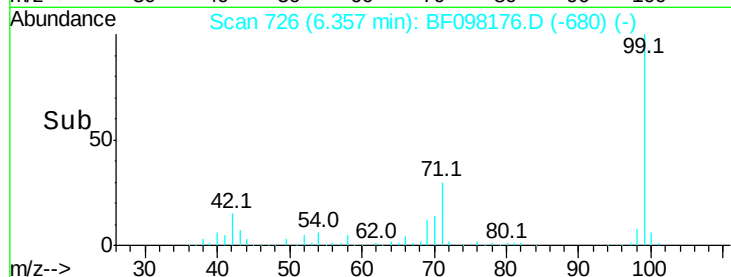
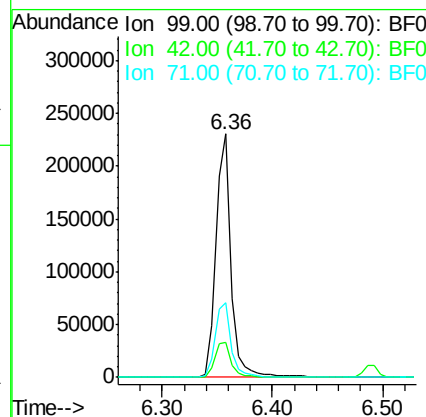
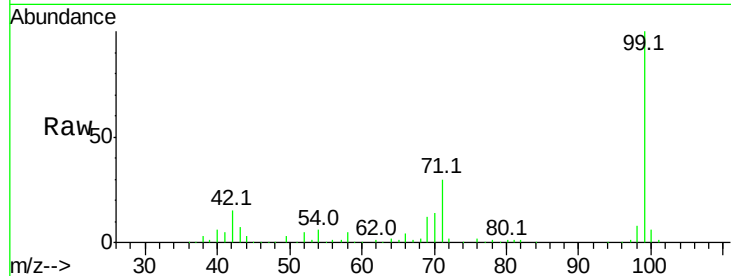
ClientSampleId :

TR-05-082817

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		213872		
42	14.6	13.5	20.3		
71	30.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

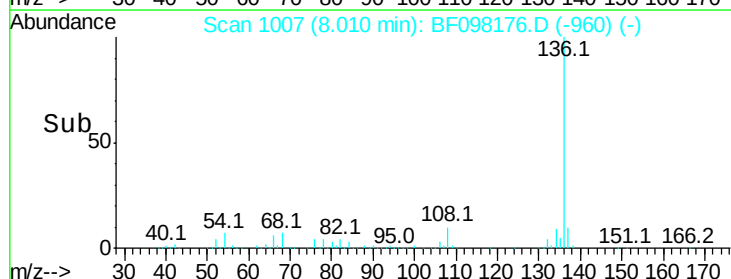
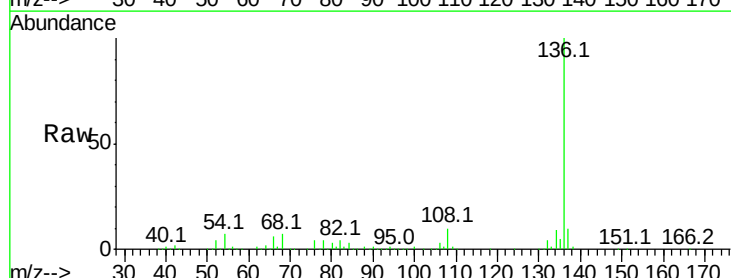
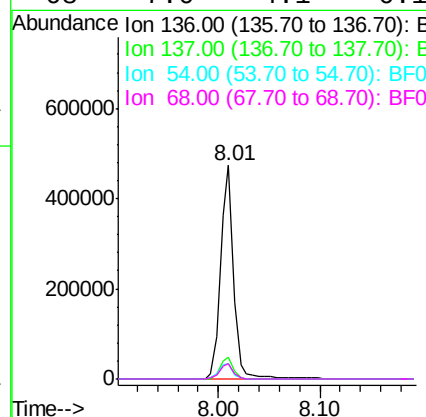
RT: 8.01 min Scan# 1007

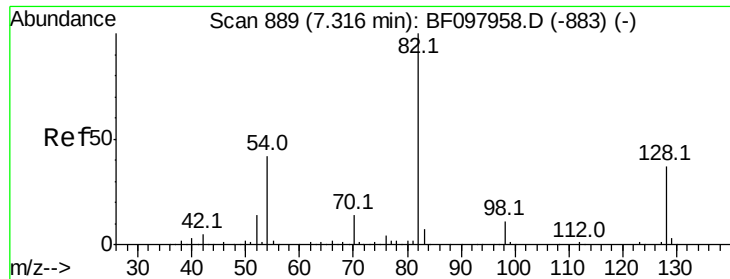
Delta R.T. -0.02 min

Lab File: BF098176.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		426363		
137	10.5	8.5	12.7		
54	7.0	4.9	7.3		
68	7.0	4.1	6.1#		





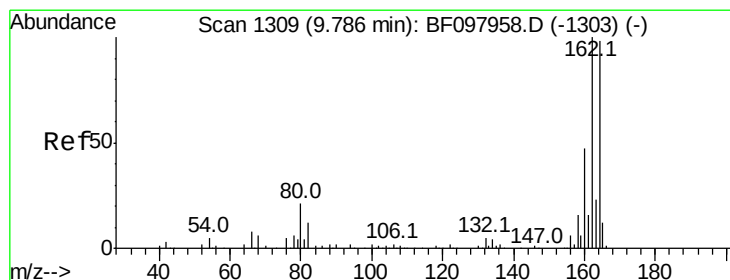
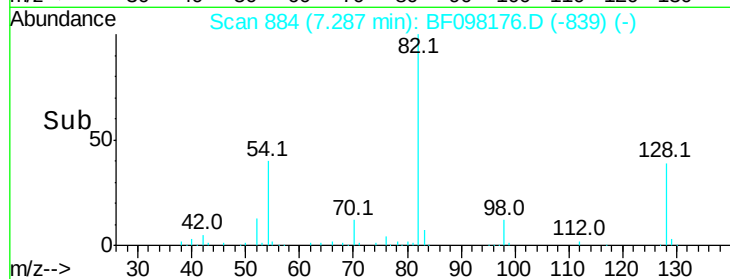
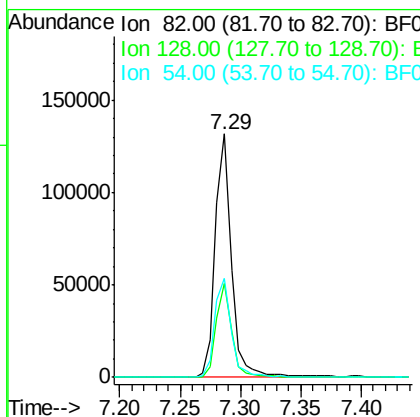
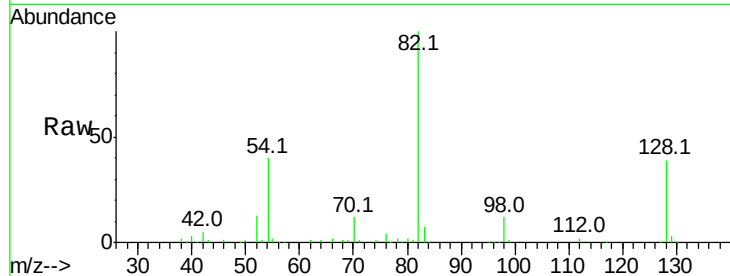
#23
 Nitrobenzene-d5
 Concen: 15.578 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098176.D
 Acq: 31 Aug 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-082817

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.7	34.0	51.0	
54	40.4	42.2	63.2	

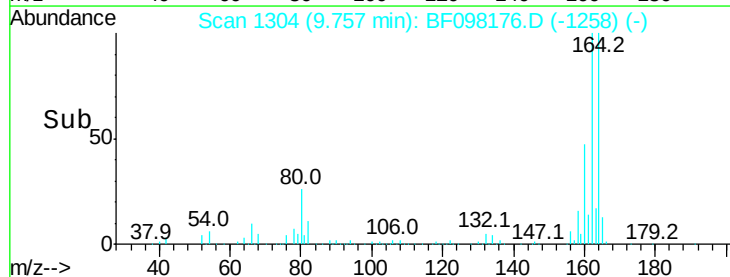
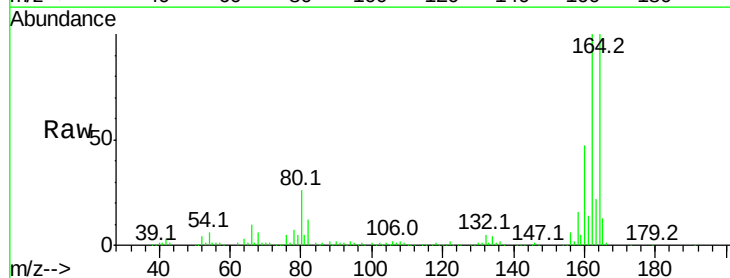
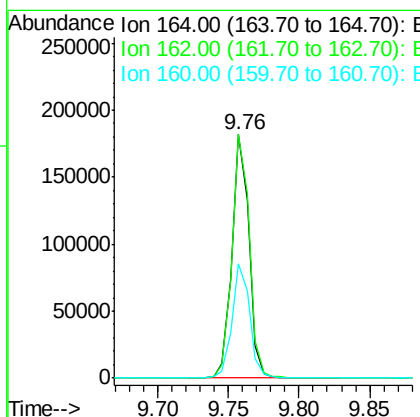
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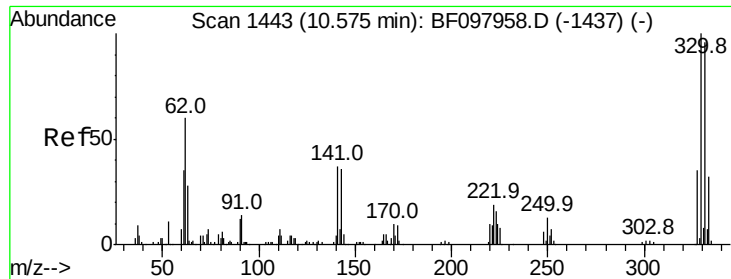
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098176.D
 Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	82.6	123.8	
160	47.1	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 17.342 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.03 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Instrument :

BNA_F

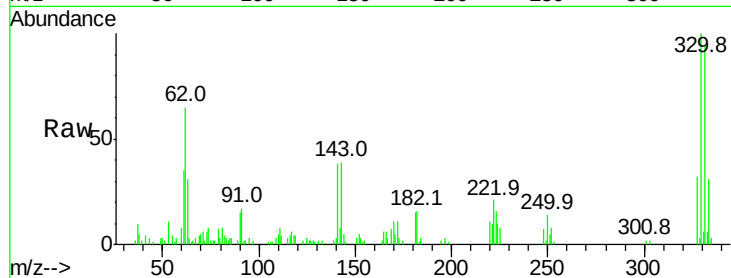
ClientSampleId :

TR-05-082817

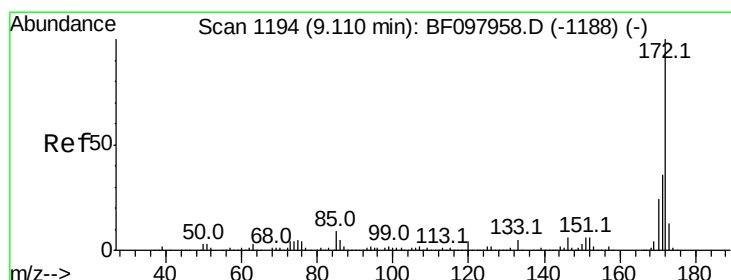
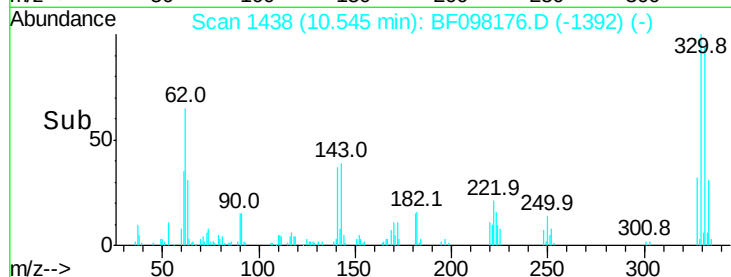
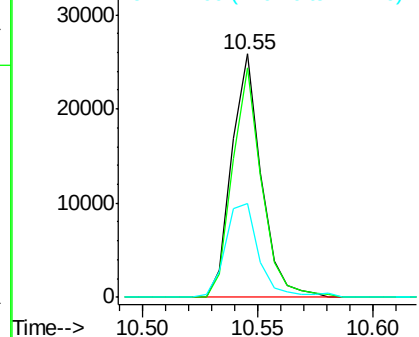
Tot Ion:	330	Resp:	22987
Ion Ratio	Lower	Upper	
330	100		
332	93.7	76.6	115.0
141	44.3	31.4	47.2

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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: 18.672 ng

RT: 9.08 min Scan# 1189

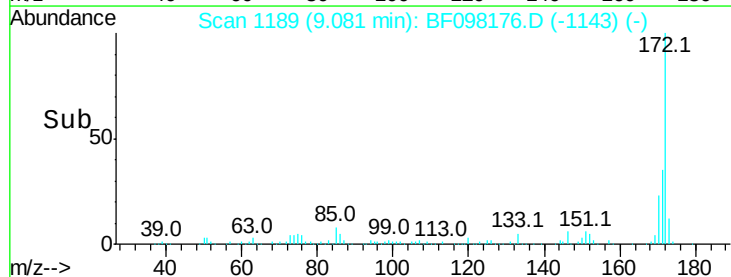
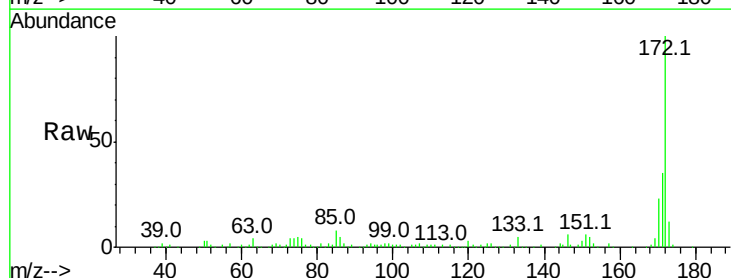
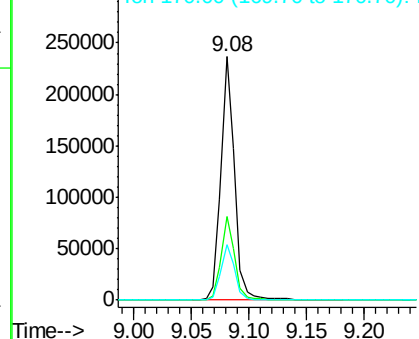
Delta R.T. -0.03 min

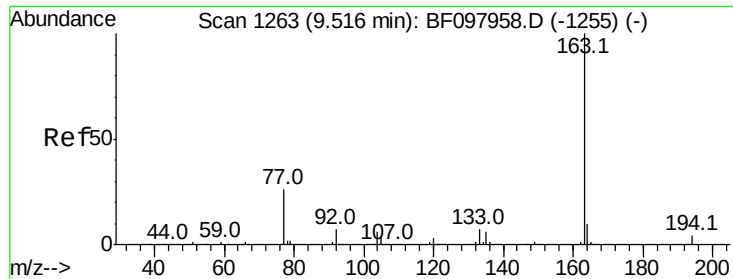
Lab File: BF098176.D

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Tgt Ion:	172	Resp:	194145
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	22.6	19.8	29.8

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





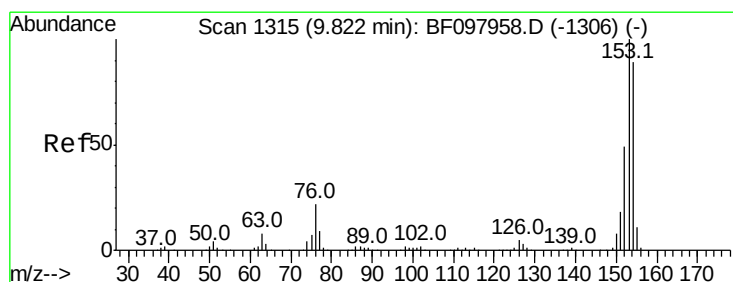
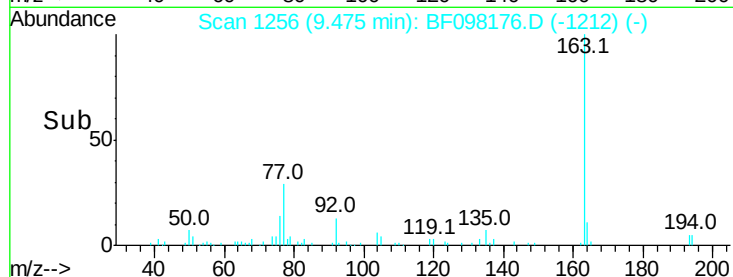
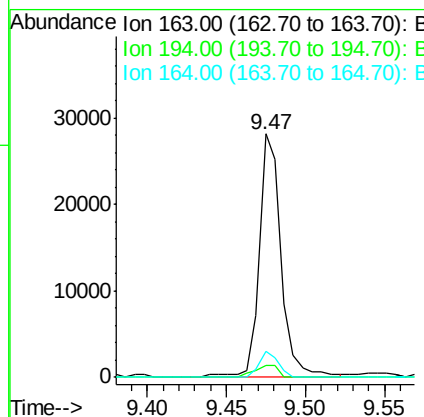
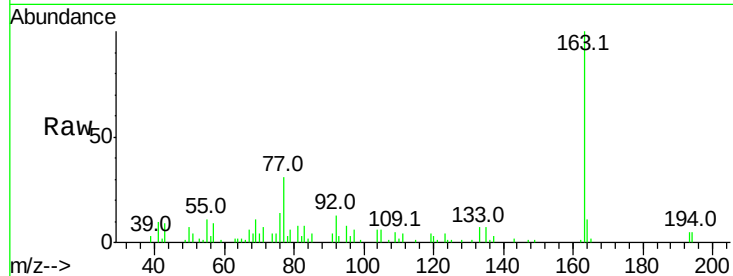
#49
Dimethylphthalate
Concen: 2.428 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	27113		
194	4.7		2.6	4.0#
164	10.7		8.4	12.6

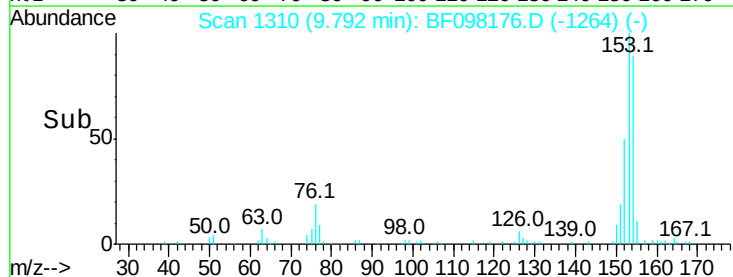
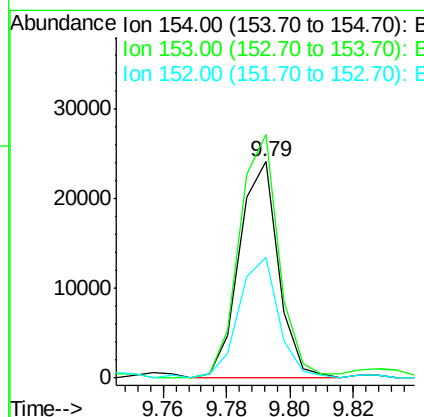
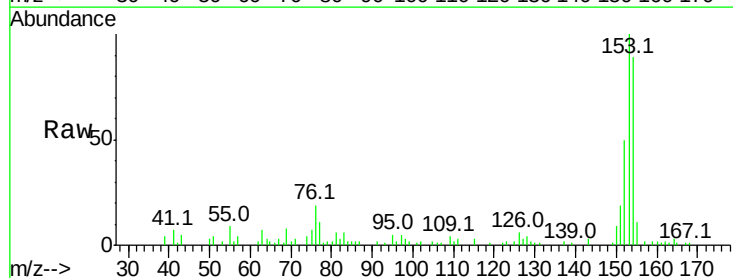
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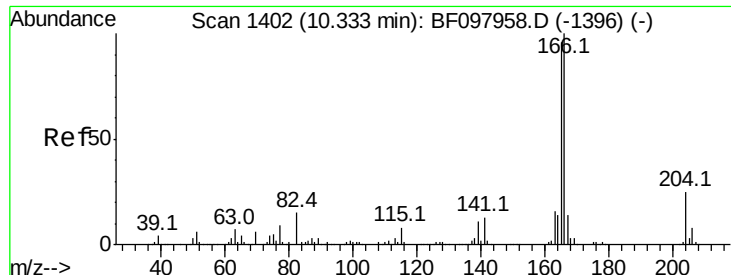
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#51
Acenaphthene
Concen: 2.021 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20600		
153	112.5		90.5	135.7
152	55.8		43.6	65.4





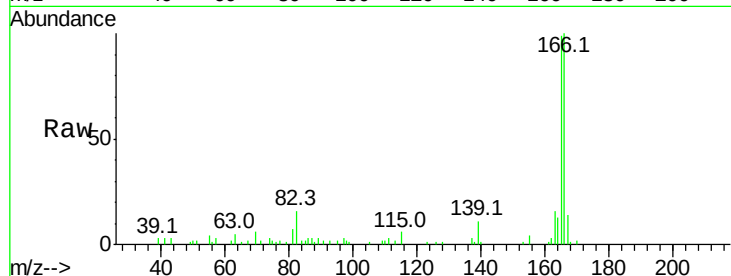
#57
Fluorene
 Concen: 2.961 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.03 min
 Lab File: BF098176.D
 Acq: 31 Aug 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-082817

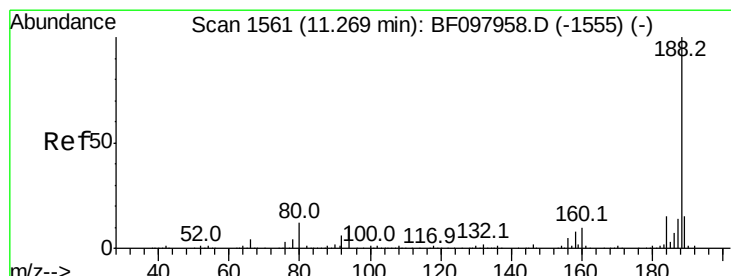
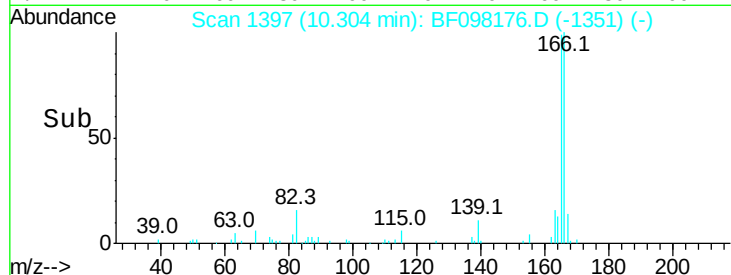
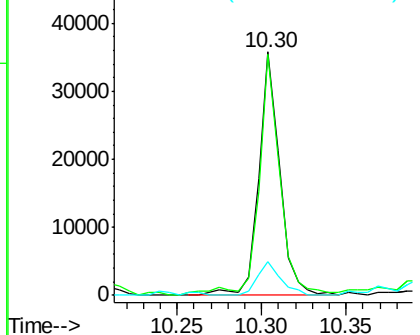
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	14.0	10.6	16.0

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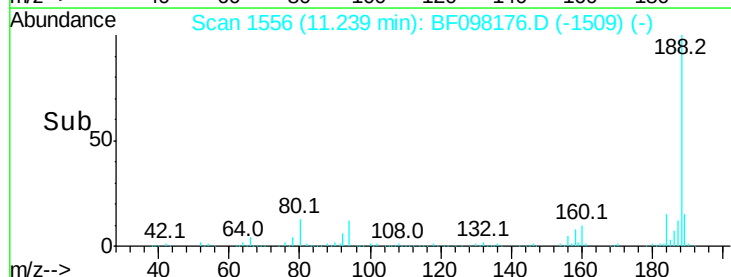
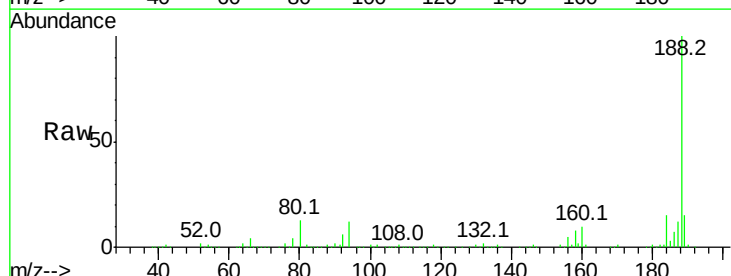
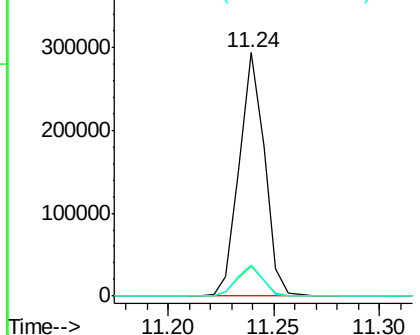
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

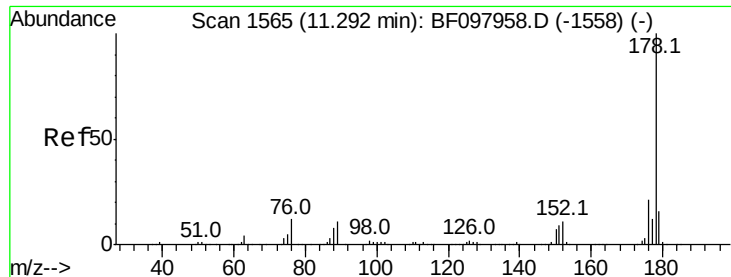


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098176.D
 Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	12.6	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





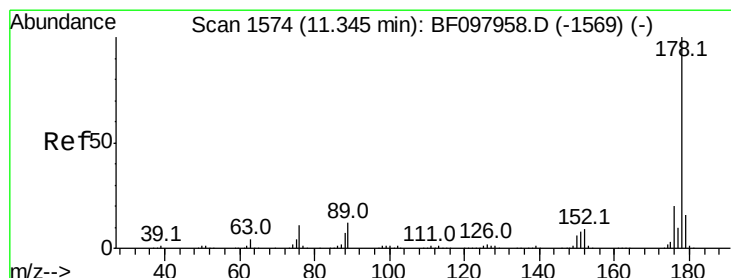
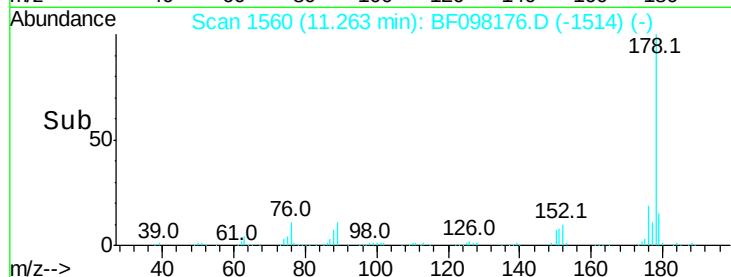
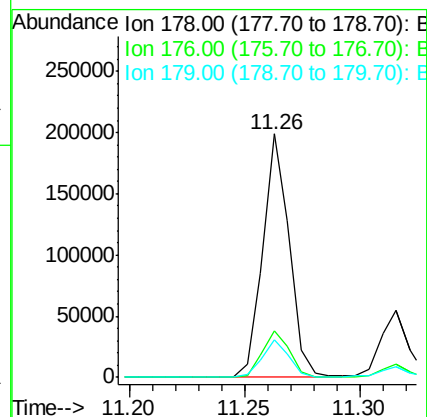
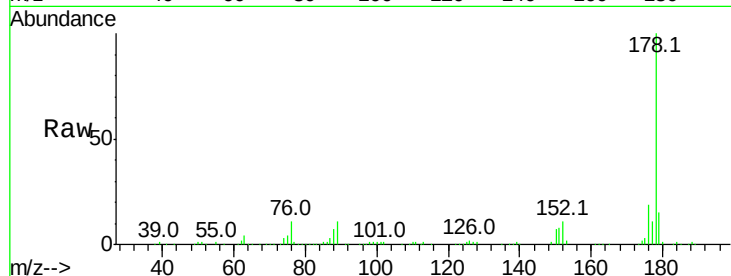
#70
Phenanthrene
Concen: 12.290 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampled :
TR-05-082817

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.3	12.6	19.0

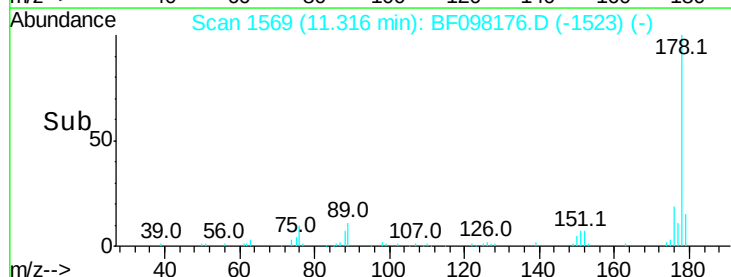
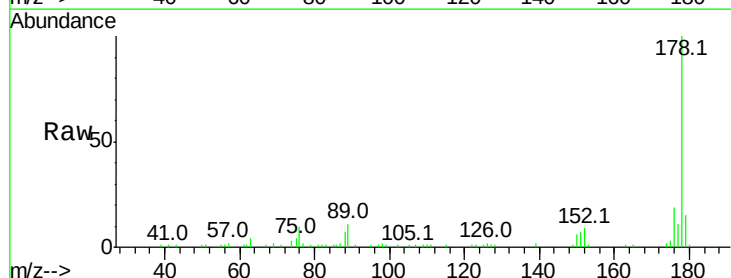
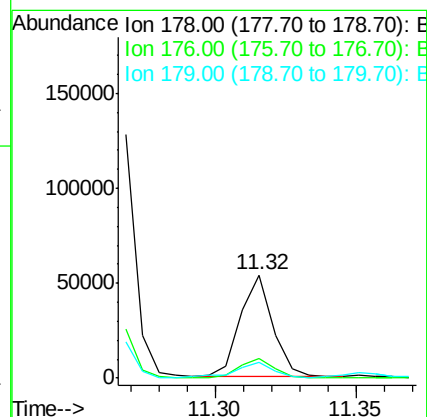
Manual Integrations
APPROVED

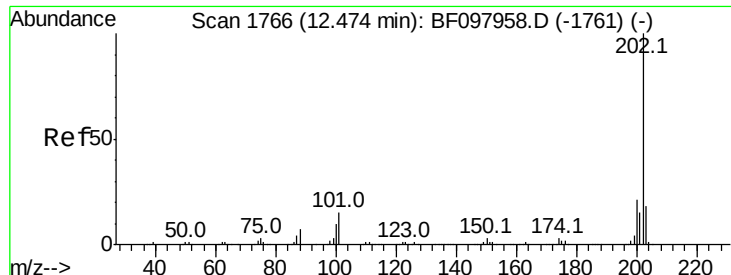
Sohil
8/31/2017 7:12:50 PM



#71
Anthracene
Concen: 3.281 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	12.7	19.1





#74

Fluoranthene

Concen: 18.790 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Instrument :

BNA_F

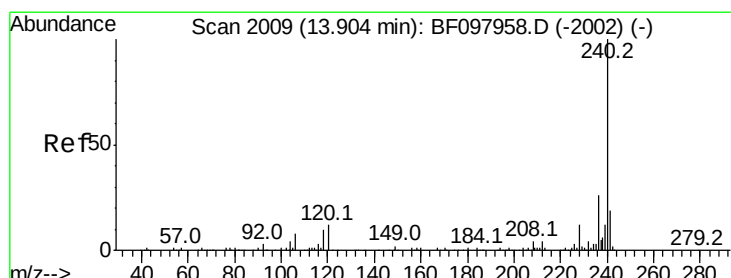
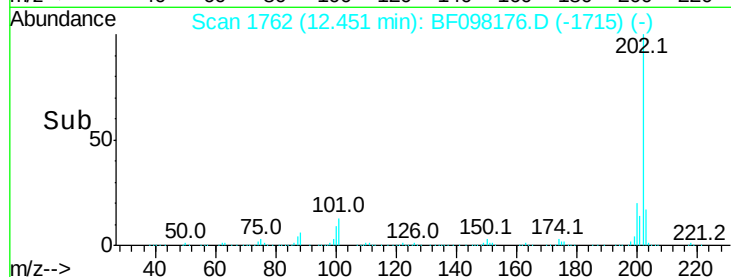
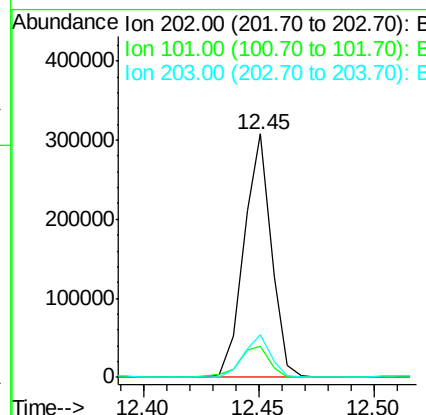
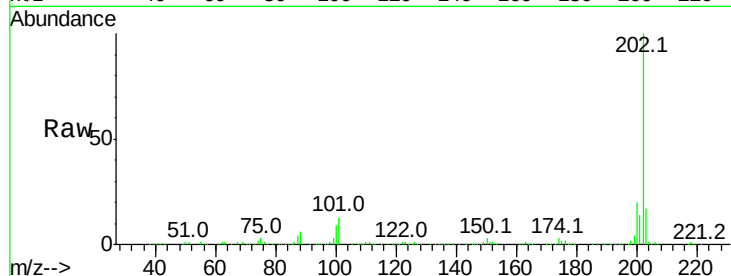
ClientSampleId :

TR-05-082817

Tot Ion	Ratio	Resp	Lower	Upper
202	100	254718		
101	12.9	0.0	33.2	
203	17.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

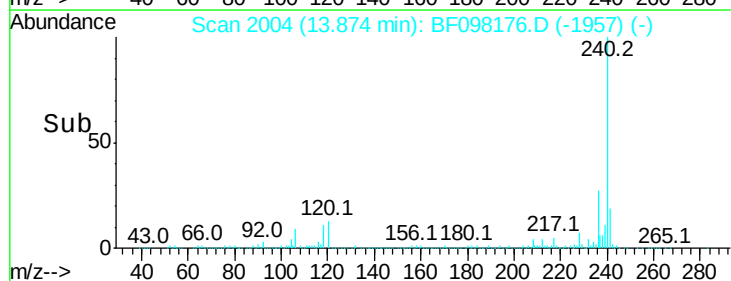
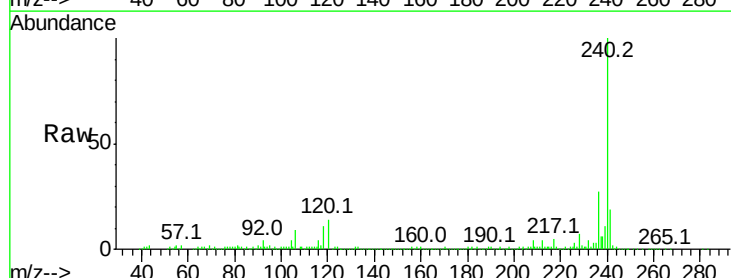
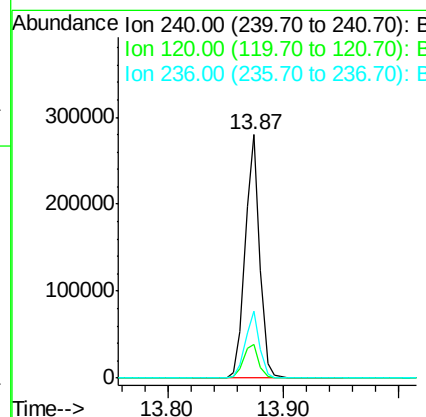
RT: 13.87 min Scan# 2004

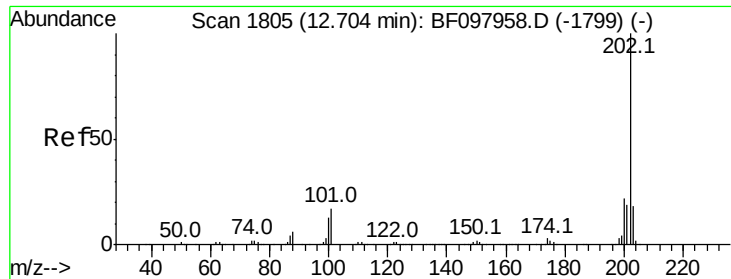
Delta R.T. -0.02 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	243932		
120	13.6	5.8	8.8#	
236	27.4	20.5	30.7	





#77

Pvrene

Concen: 11.484 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Instrument :

BNA_F

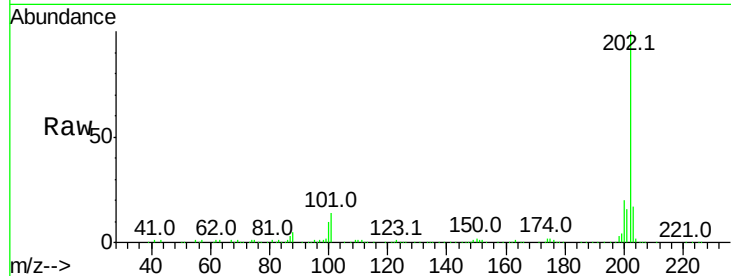
ClientSampleId :

TR-05-082817

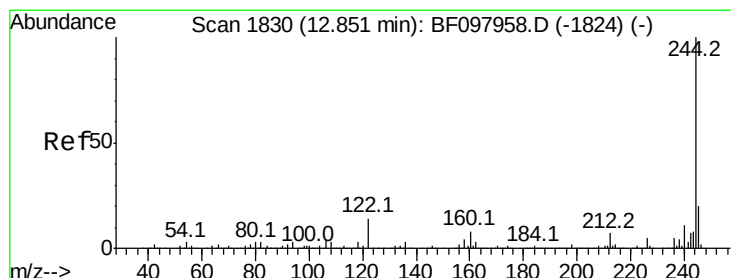
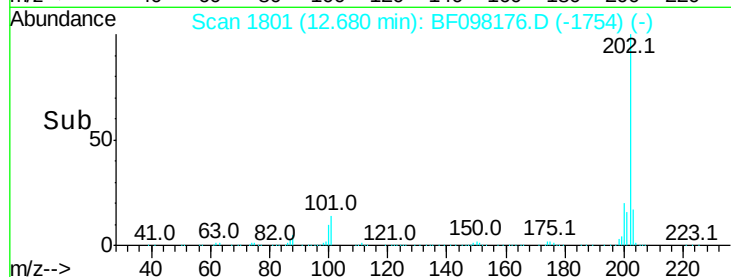
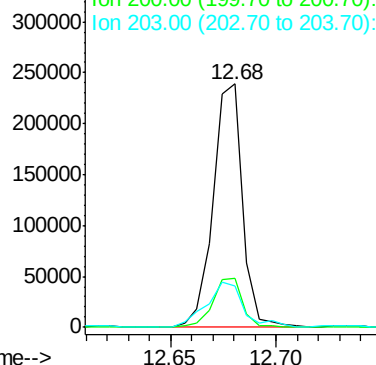
Tot Ion:	202	Resp:	229112
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.6	26.4
203	16.8	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.695 ng

RT: 12.82 min Scan# 1825

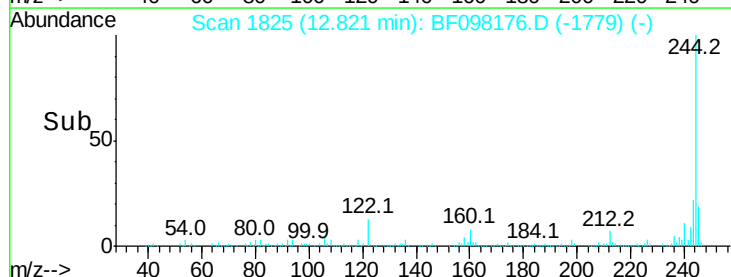
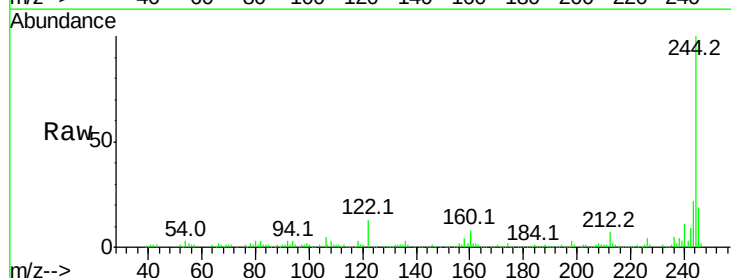
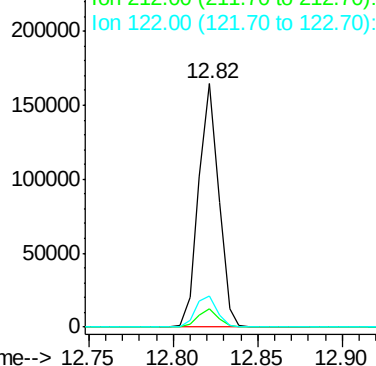
Delta R.T. -0.03 min

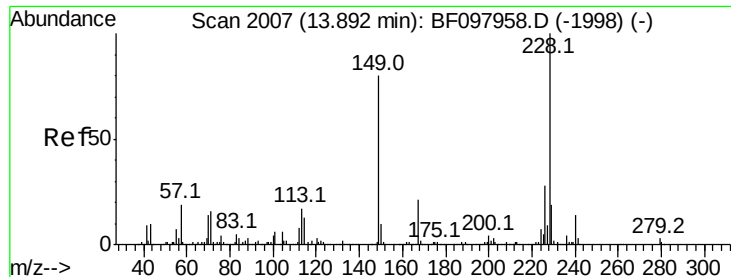
Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Tgt Ion:	244	Resp:	136798
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	12.7	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





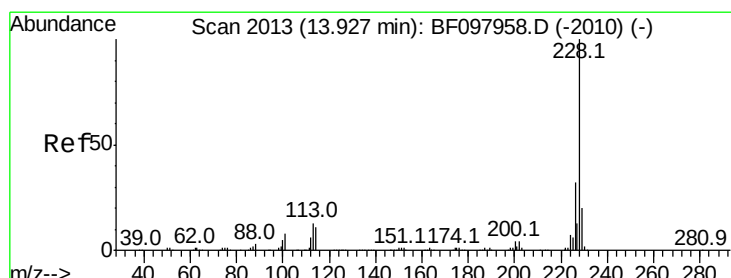
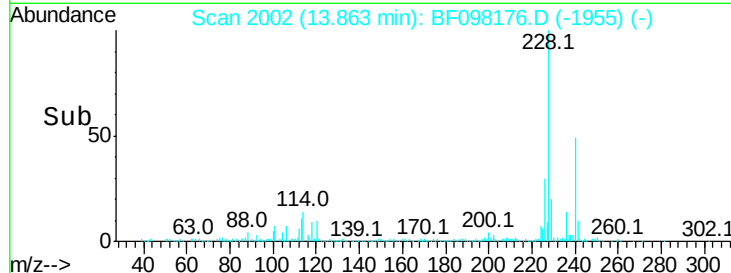
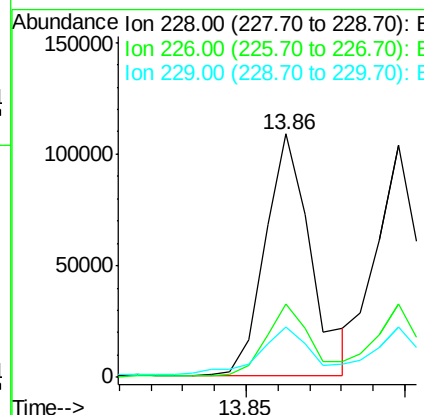
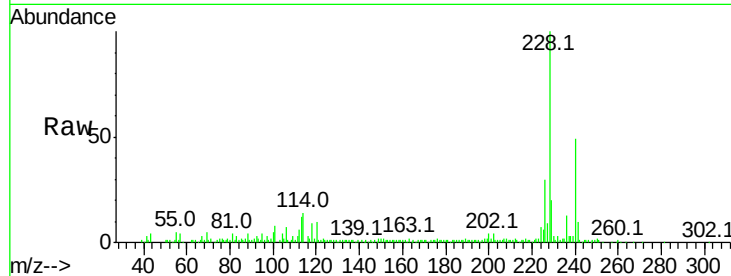
#80
Benzo(a)anthracene
Concen: 7.408 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampled :
TR-05-082817

Tot Ion:	228	Resp:	108301
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	20.5	16.3	24.5

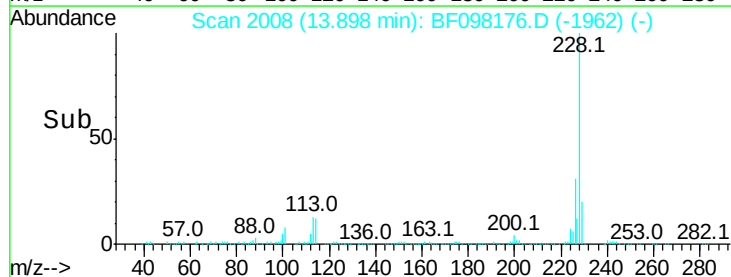
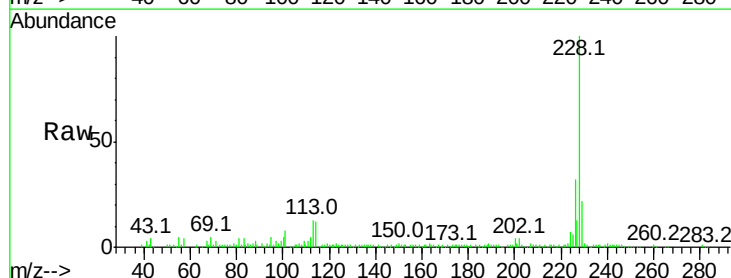
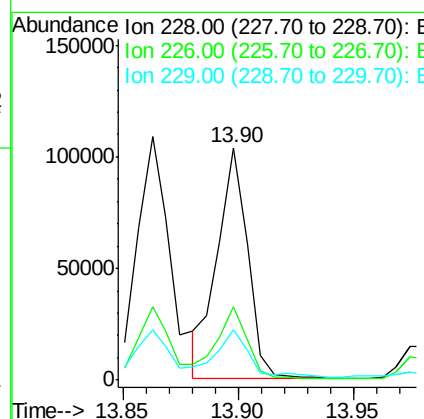
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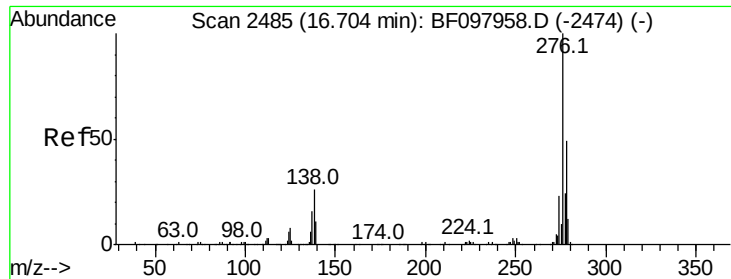
Sohil
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#82
Chrysene
Concen: 6.497 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion:	228	Resp:	94492
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	21.7	15.8	23.6





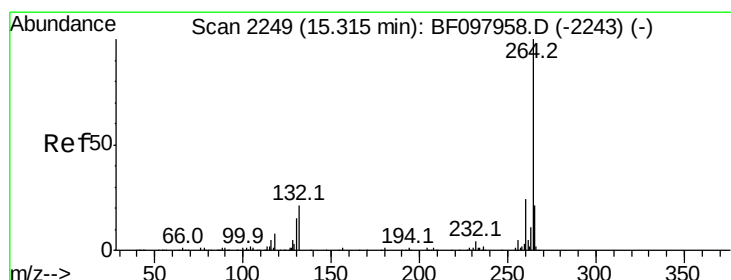
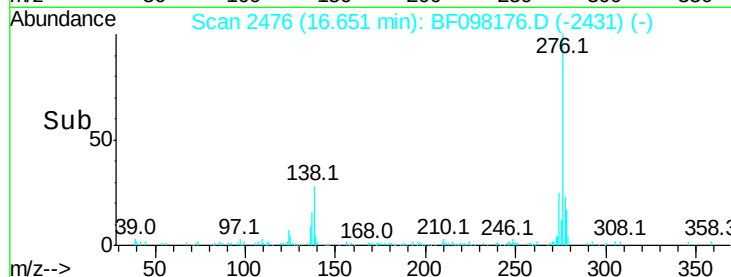
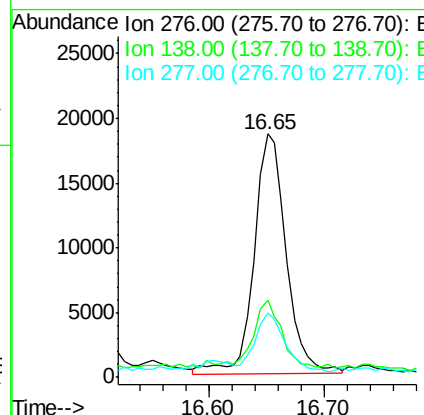
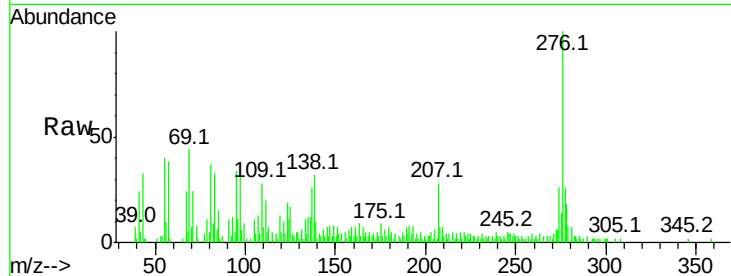
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.365 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.04 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampled :
TR-05-082817

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	27.8	41.6#
277	23.0	20.2	30.4

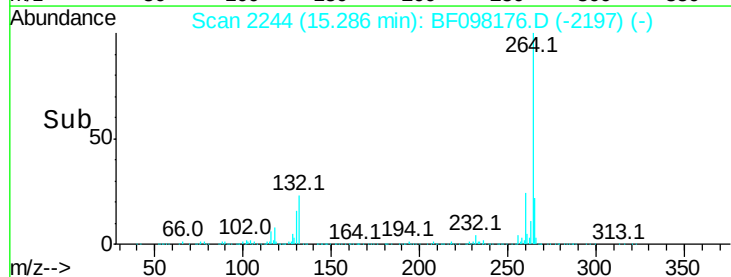
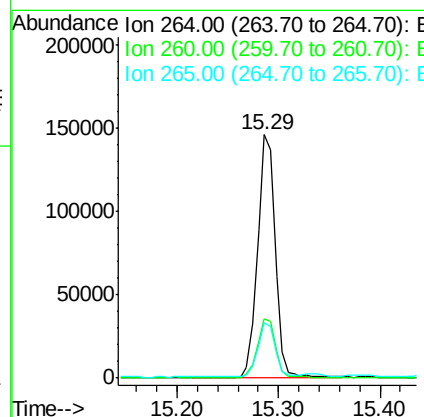
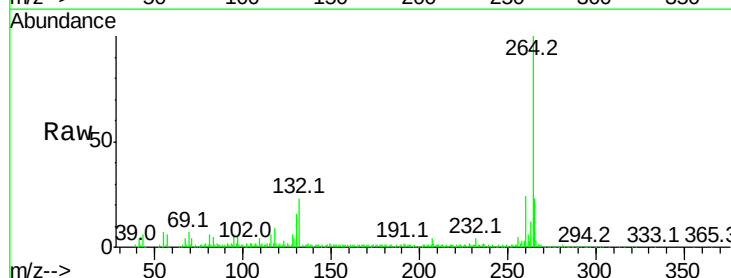
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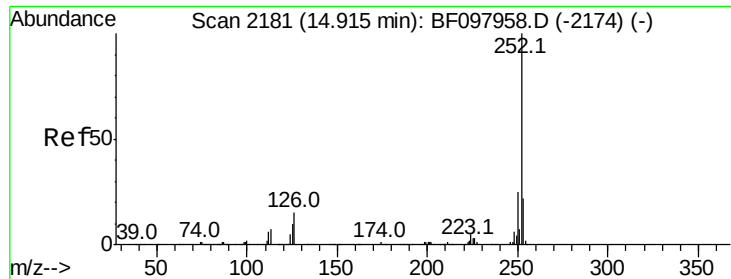
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.004 ng m

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Instrument :

BNA_F

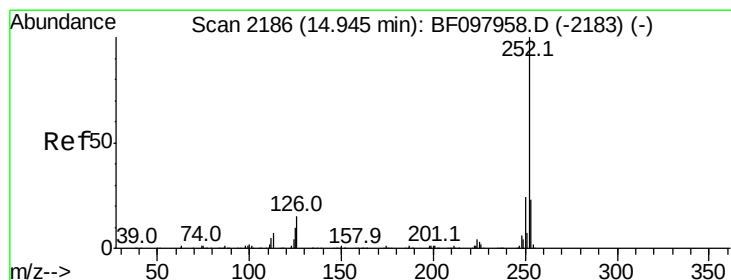
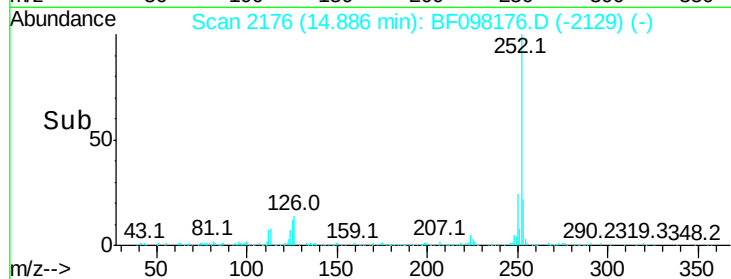
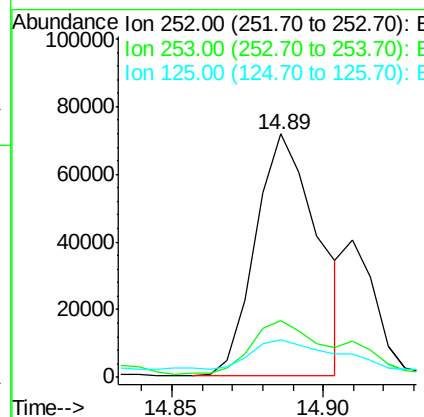
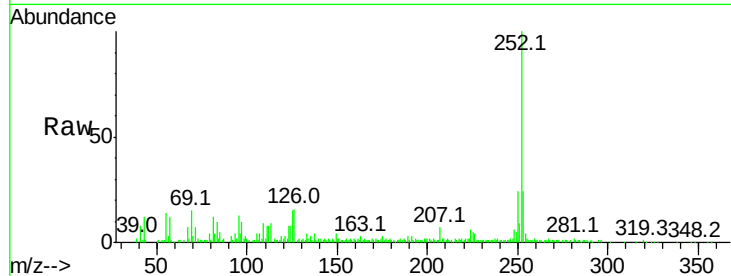
ClientSampleId :

TR-05-082817

Tot Ion:	252	Resp:	101376
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	15.3	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.770 ng m

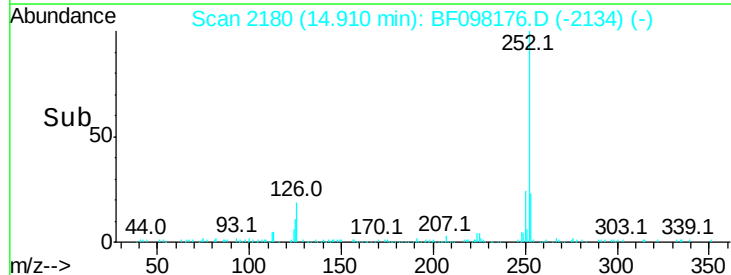
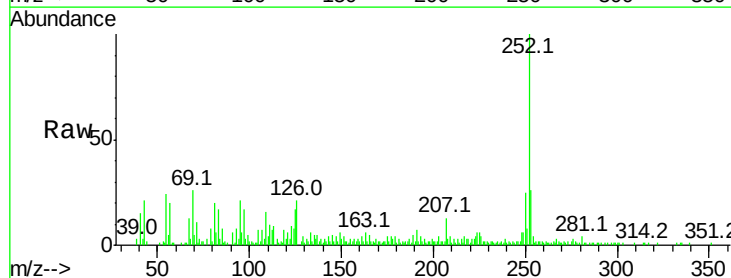
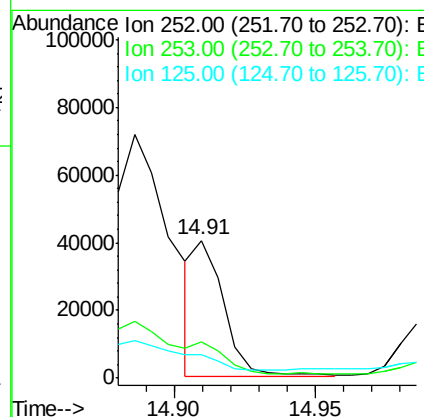
RT: 14.91 min Scan# 2180

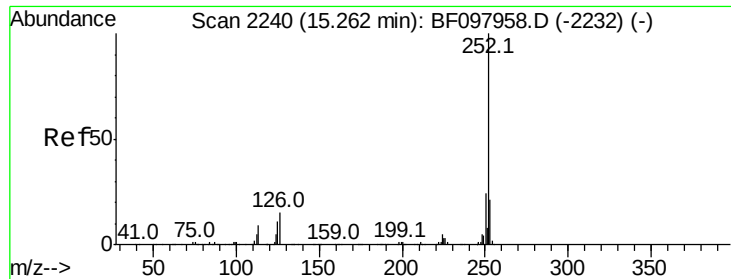
Delta R.T. -0.03 min

Lab File: BF098176.D

Acq: 31 Aug 2017 00:46

Tgt Ion:	252	Resp:	29296
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.4	27.6
125	17.0	13.1	19.7





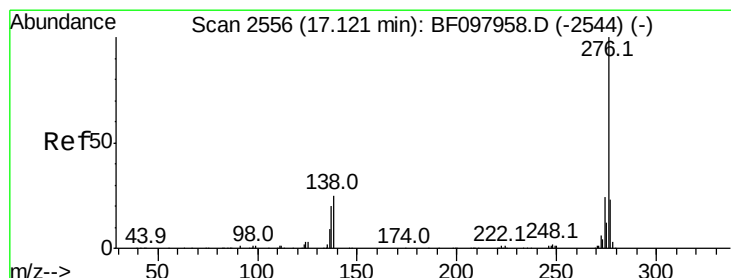
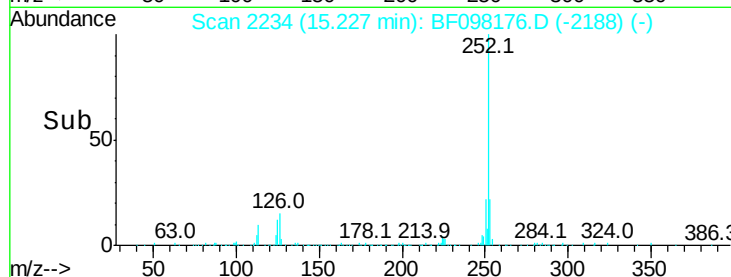
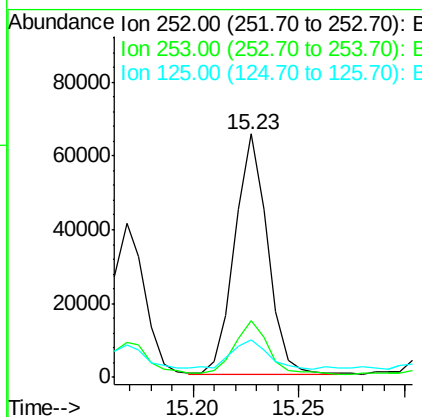
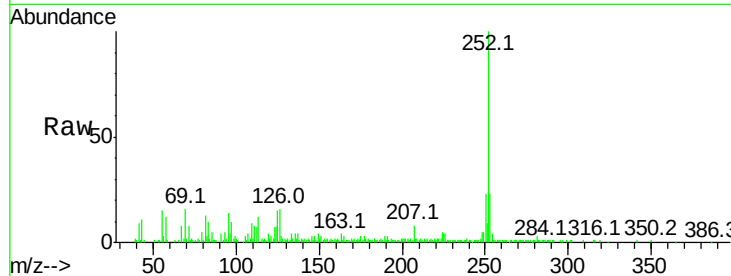
#89
Benzo(a)pyrene
Concen: 7.084 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Instrument :
BNA_F
ClientSampleId :
TR-05-082817

Tot Ion:	252	Resp:	70609
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	15.5	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 4.059 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.04 min
Lab File: BF098176.D
Acq: 31 Aug 2017 00:46

Tgt Ion:	276	Resp:	34368
Ion Ratio	Lower	Upper	
276	100		
277	29.3	18.6	28.0#
138	29.3	25.4	38.0

