

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103947.D
 Acq On : 27 Mar 2018 1:09
 Operator : JU/SJ
 Sample : J2009-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Manual Integrations
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Sohil
 3/27/2018 2:15:59 PM

Quant Time: Mar 27 08:38:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135802	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	532566	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	230215	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	356296	20.00	ng	0.00
75) Chrysene-d12	14.16	240	262296	20.00	ng	0.00
86) Perylene-d12	15.71	264	225401	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	811839	90.93	ng	0.01
7) Phenol-d6	6.60	99	998521	91.41	ng	0.00
23) Nitrobenzene-d5	7.54	82	610139	79.89	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	217671	109.97	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1010413	70.01	ng	0.00
78) Terphenyl-d14	13.10	244	750428	66.41	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.87	152	99792	4.221	ng	98
49) Dimethylphthalate	9.72	163	111227	6.333	ng	99
57) Fluorene	10.56	166	40710	2.617	ng	99
70) Phenanthrene	11.53	178	516255	26.488	ng	99
71) Anthracene	11.59	178	97395	4.920	ng	97
74) Fluoranthene	12.73	202	606797	30.220	ng	98
77) Pyrene	12.96	202	682358	35.424	ng	99
80) Benzo(a)anthracene	14.16	228	305258m	18.385	ng	
82) Chrysene	14.19	228	328052	20.727	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	106674	7.718	ng	94
87) Benzo(b)fluoranthene	15.25	252	291915m	20.499	ng	
88) Benzo(k)fluoranthene	15.27	252	98545m	7.199	ng	
89) Benzo(a)pyrene	15.64	252	214810	16.631	ng	99
90) Dibenzo(a,h)anthracene	17.30	278	32299	2.888	ng	# 86
91) Benzo(a,h,i)perylene	17.77	276	111973	10.291	ng	96

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

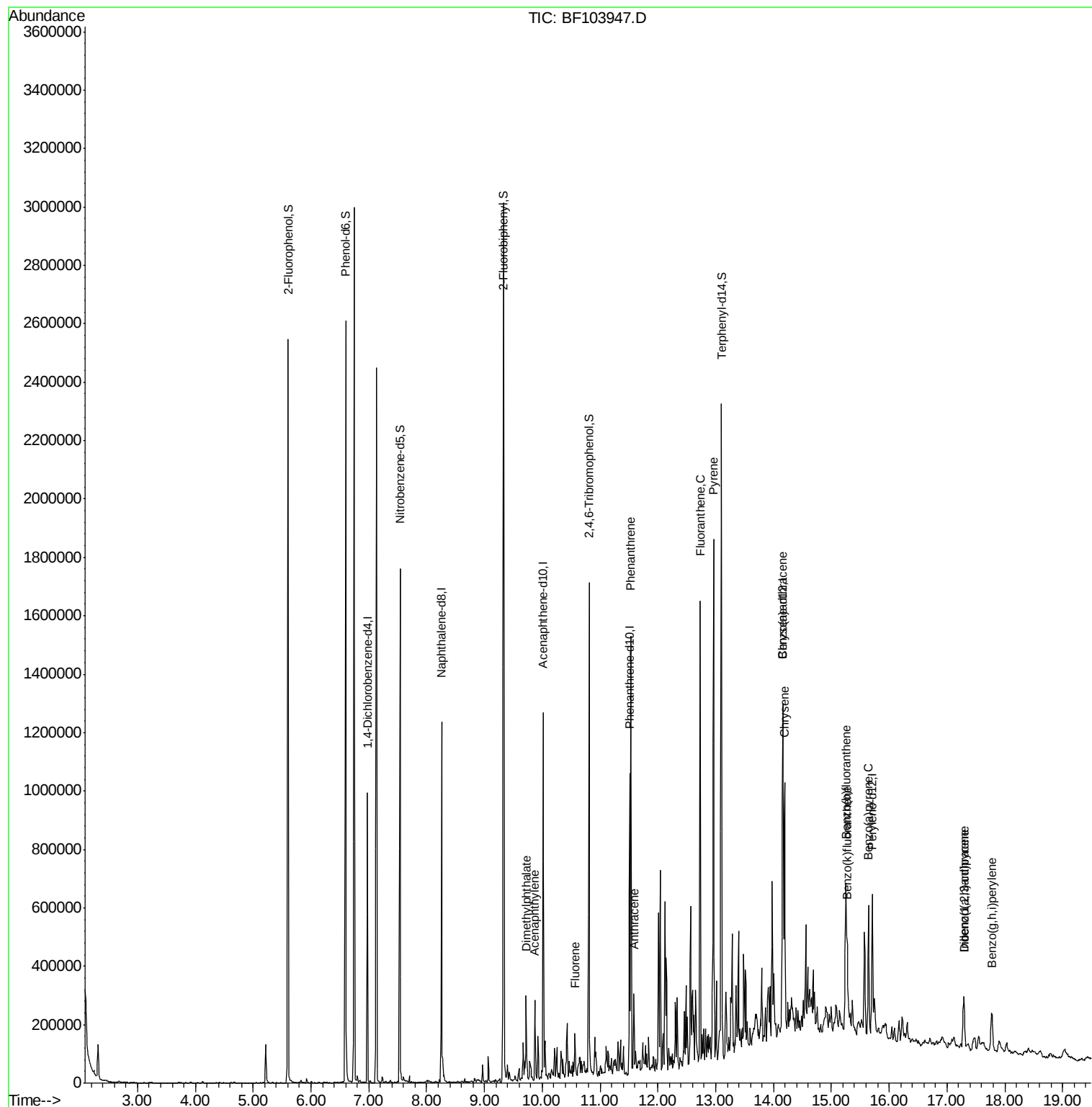
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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ALS Vial : 20 Sample Multiplier: 1

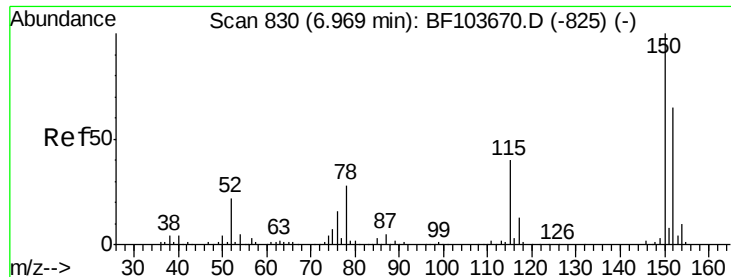
Instrument :
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ClientSampled :
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#1

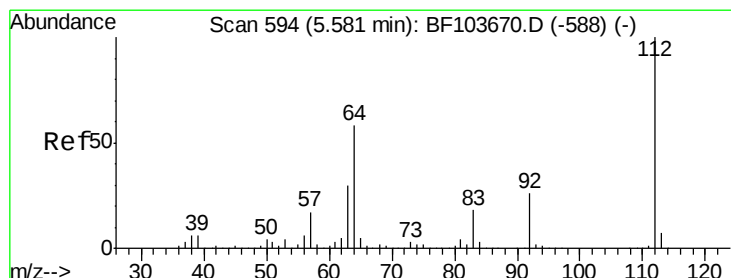
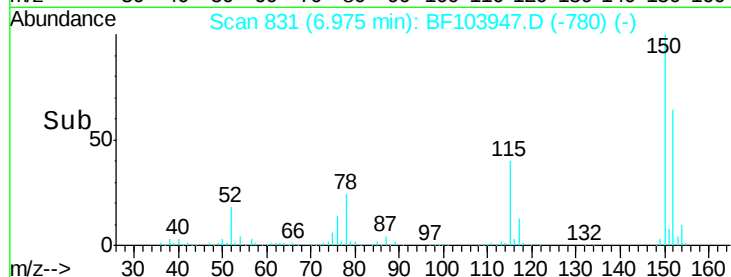
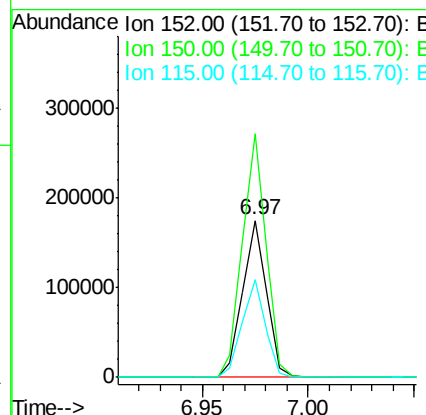
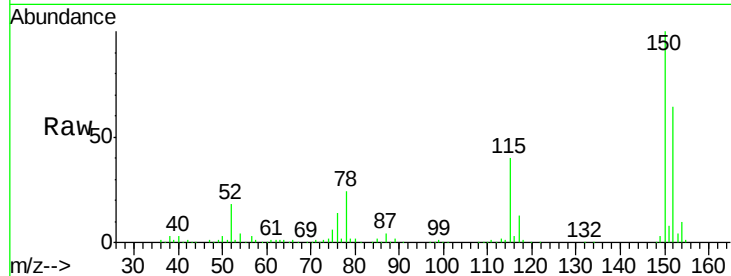
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	62.0	50.1	75.1

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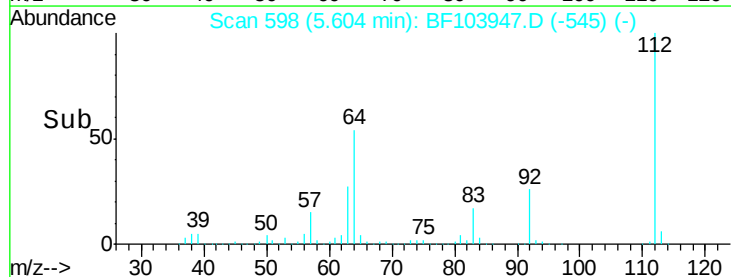
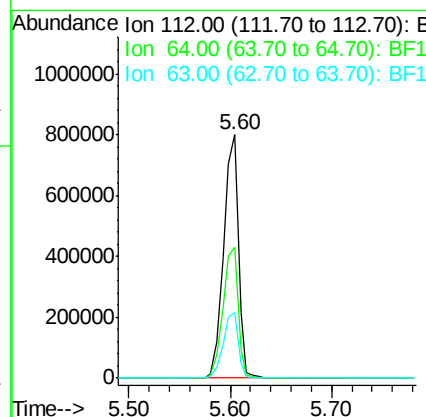
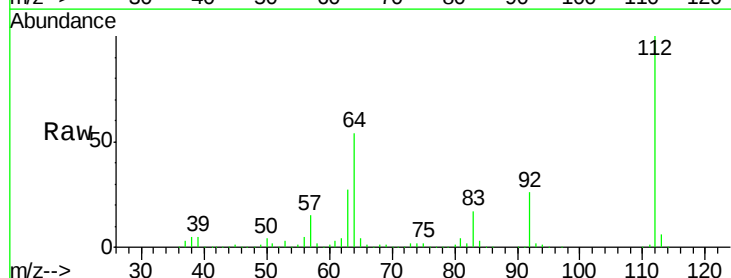
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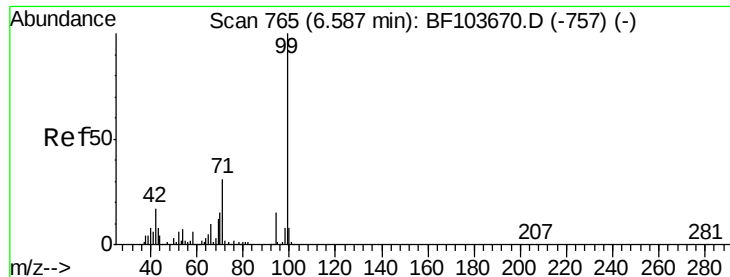


#5

2-Fluorophenol
Concen: 90.927 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 91.411 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Instrument :

BNA_F

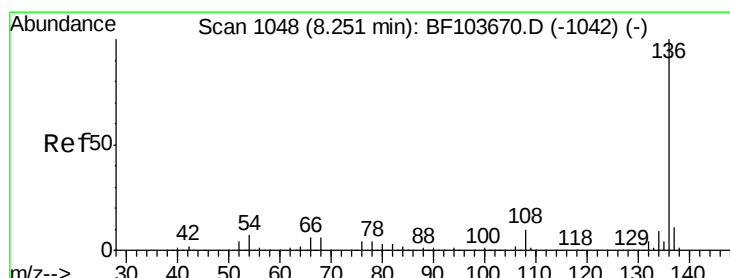
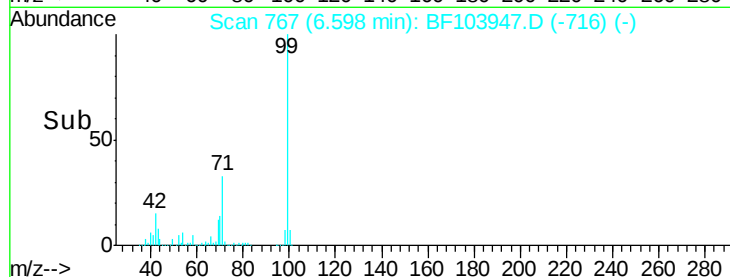
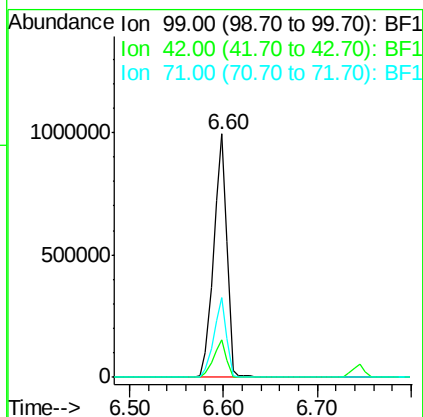
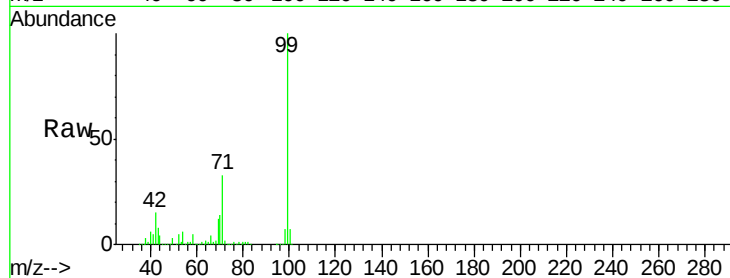
ClientSampled :

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Tot Ion:	99	Resp:	998521
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

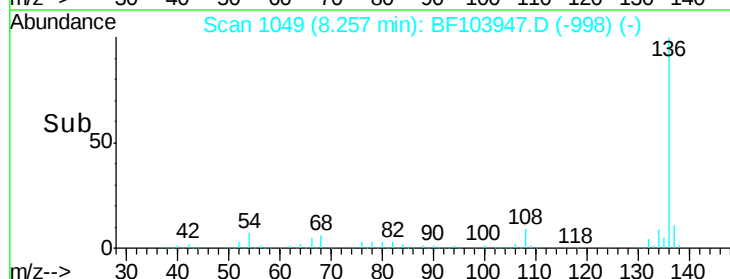
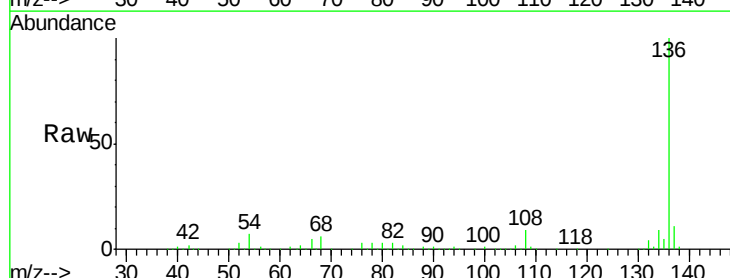
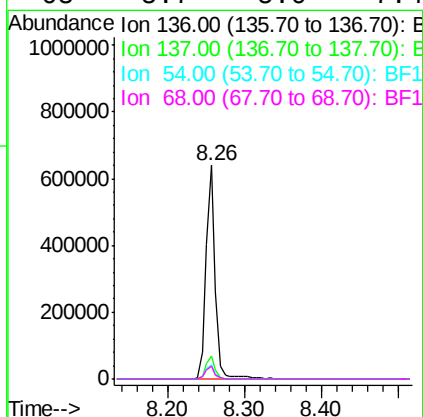
RT: 8.26 min Scan# 1049

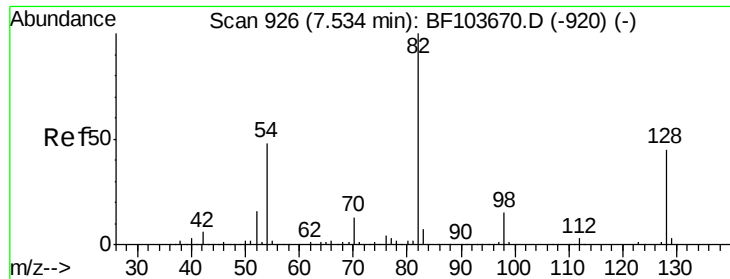
Delta R.T. -0.00 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Tgt Ion:	136	Resp:	532566
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	6.6	6.6	9.8
68	5.7	5.0	7.4





#23

Nitrobenzene-d5

Concen: 79.894 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Instrument :

BNA_F

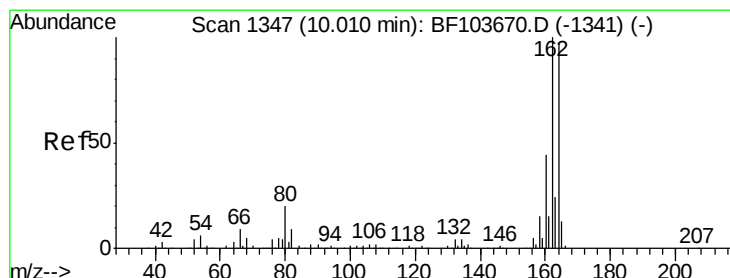
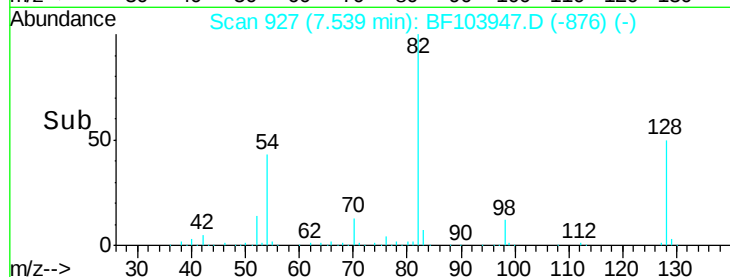
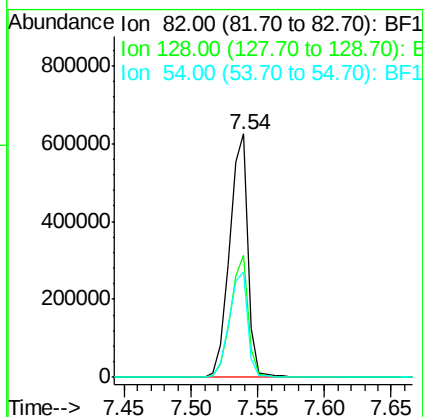
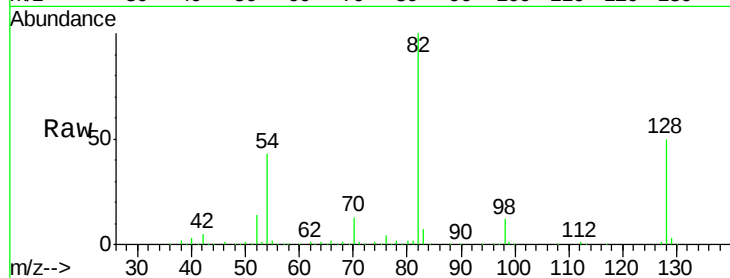
ClientSampled :

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Tot Ion:	82	Resp:	610139
Ion Ratio	Lower	Upper	
82	100		
128	49.9	36.1	54.1
54	43.2	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

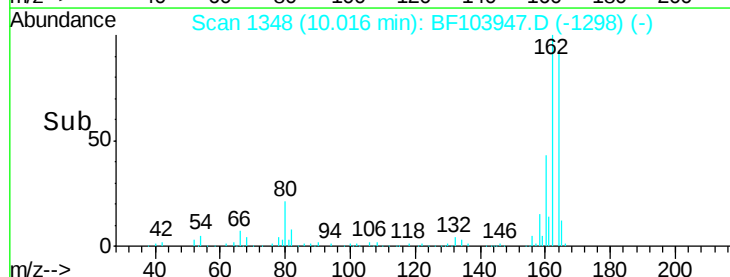
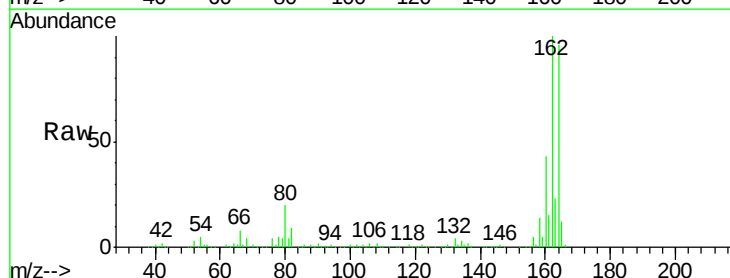
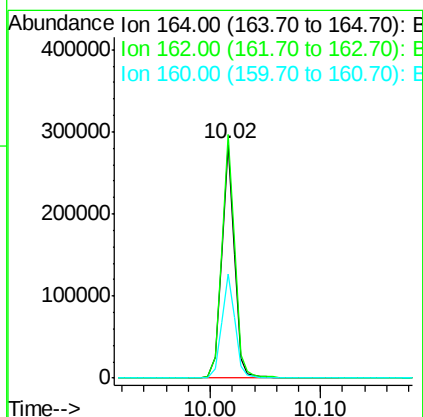
RT: 10.02 min Scan# 1348

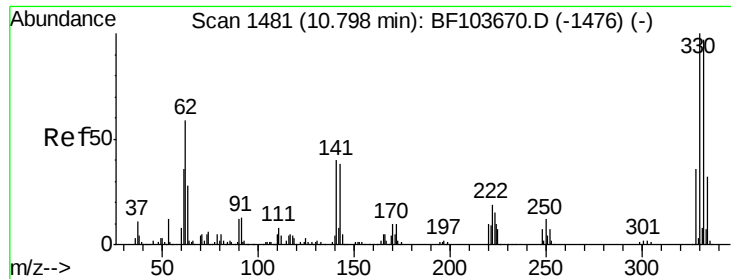
Delta R.T. -0.01 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Tgt Ion:	164	Resp:	230215
Ion Ratio	Lower	Upper	
164	100		
162	104.3	86.1	129.1
160	44.8	38.3	57.5





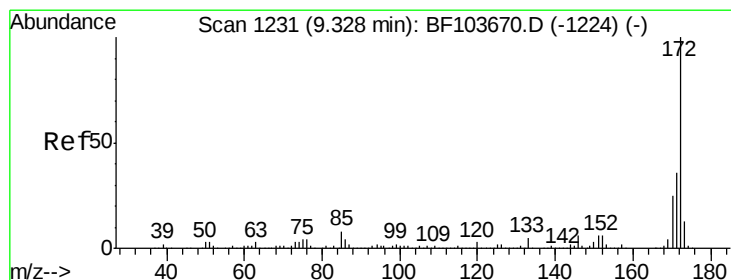
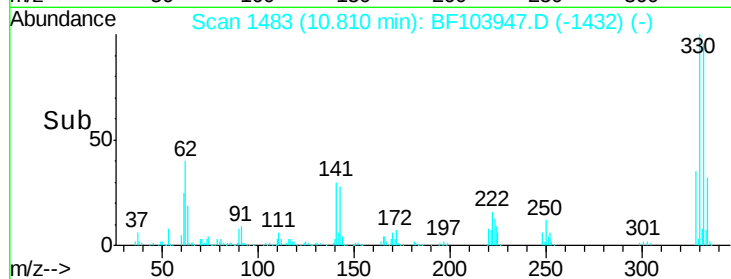
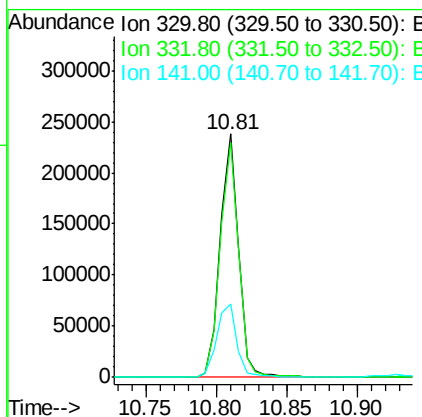
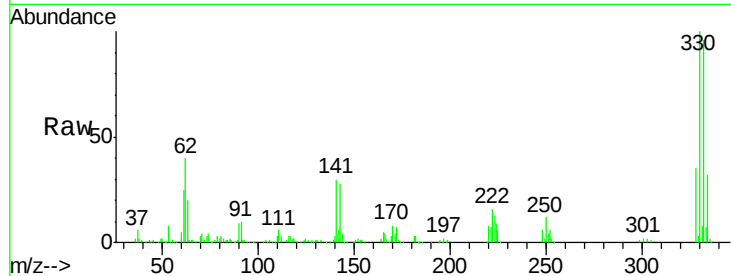
#41
 2,4,6-Tribromophenol
 Concen: 109.968 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103947.D
 Acq: 27 Mar 2018 1:09

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.2	29.9	44.9

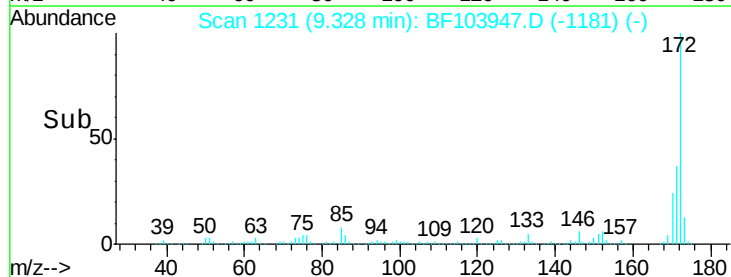
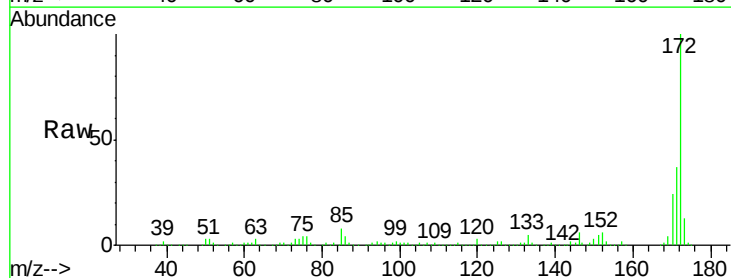
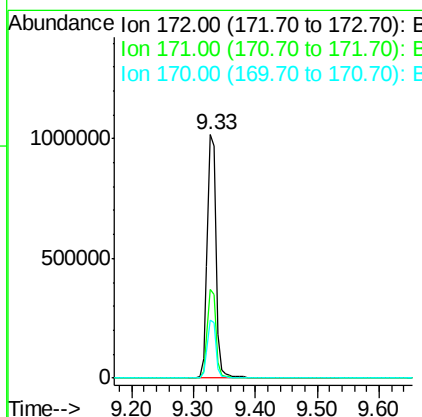
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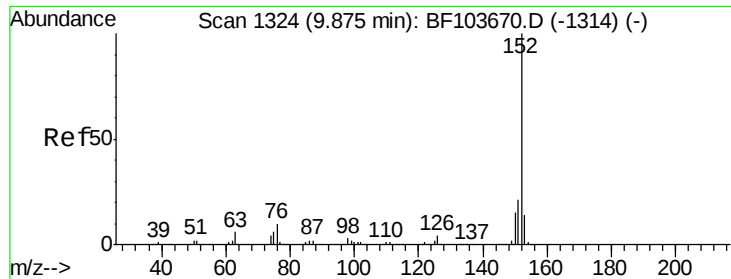
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#44
 2-Fluorobiphenyl
 Concen: 70.011 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103947.D
 Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4





#48

Acenaphthylene

Concen: 4.221 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Instrument :

BNA_F

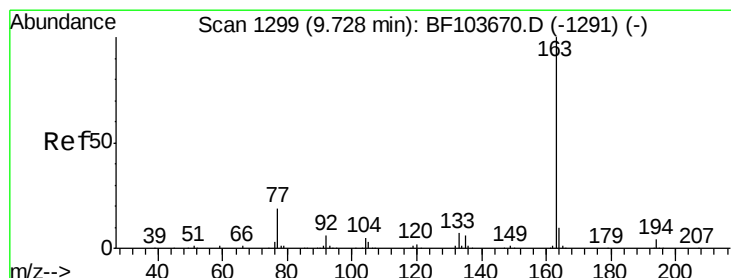
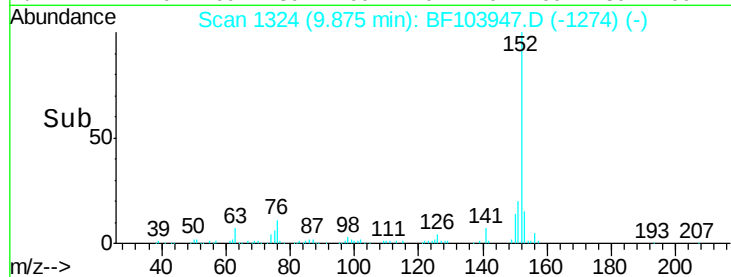
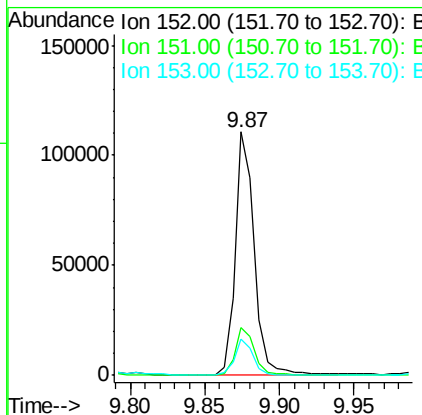
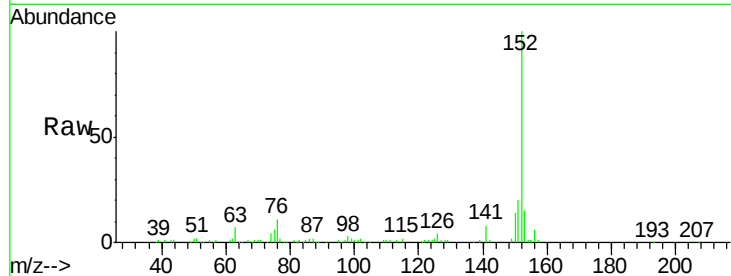
ClientSampled :

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Tot Ion:	152	Resp:	99792
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	14.7	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 6.333 ng

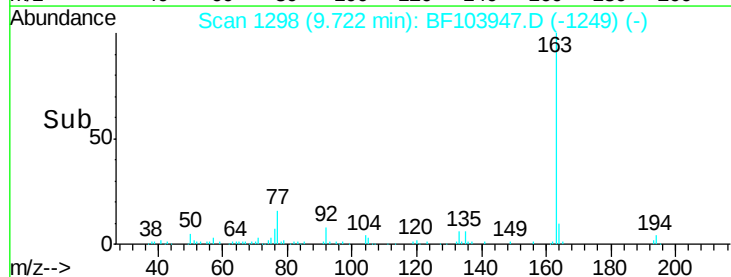
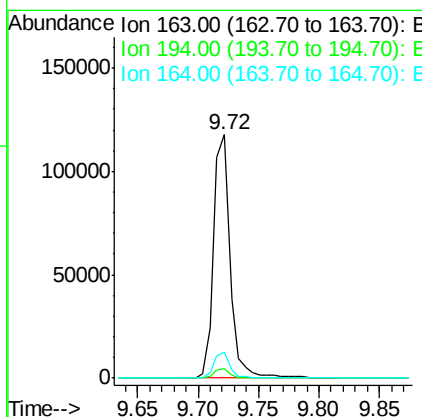
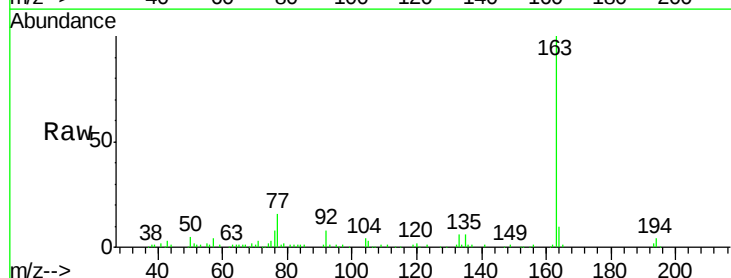
RT: 9.72 min Scan# 1298

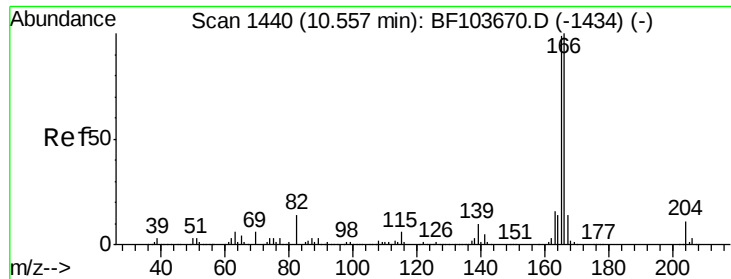
Delta R.T. -0.01 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Tgt Ion:	163	Resp:	111227
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1
164	10.4	8.2	12.2





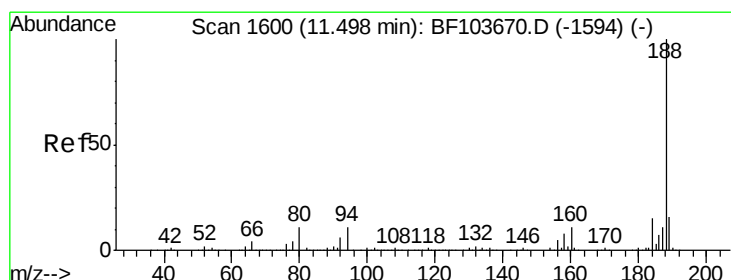
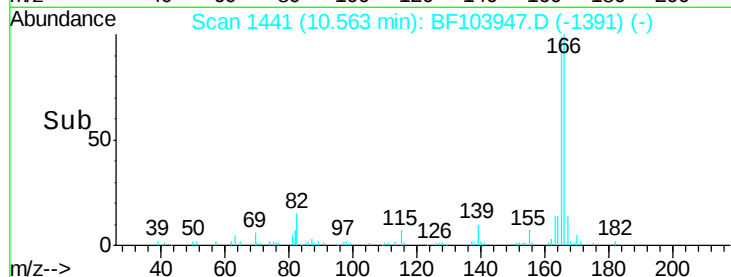
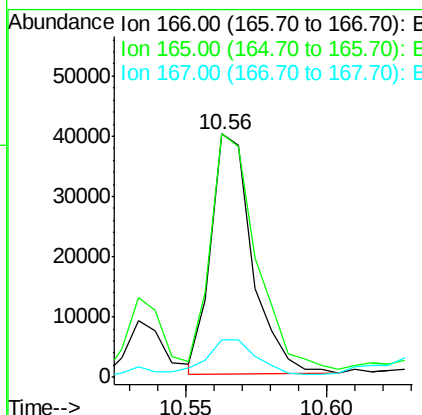
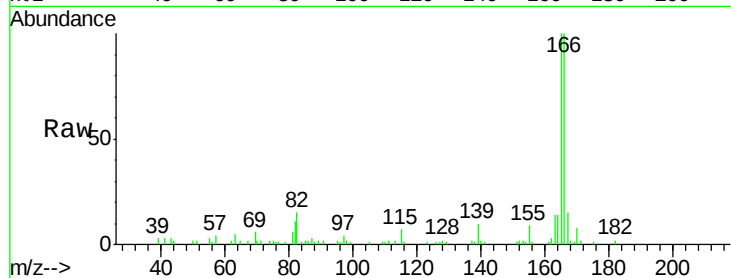
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Fluorene
 Concen: 2.617 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103947.D
 Acq: 27 Mar 2018 1:09

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		40710		
165	99.8	79.8	119.8		
167	15.2	10.6	16.0		

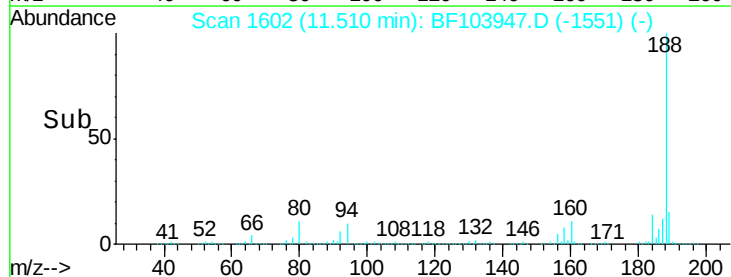
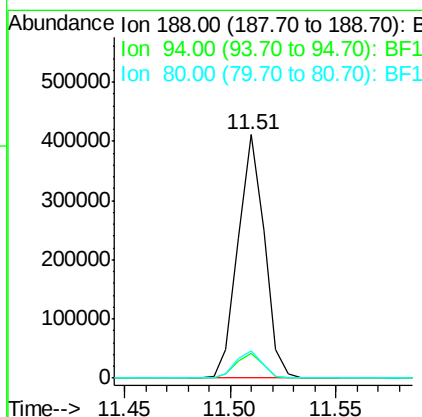
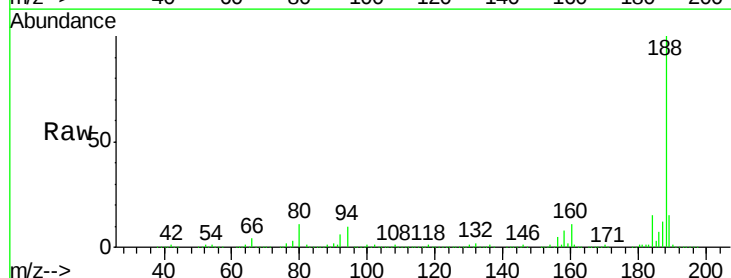
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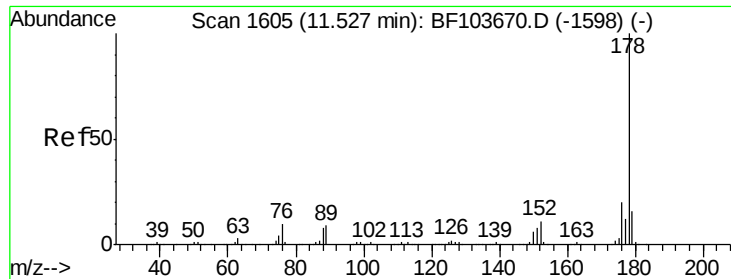
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103947.D
 Acq: 27 Mar 2018 1:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		356296		
94	10.4	8.5	12.7		
80	11.5	9.2	13.8		





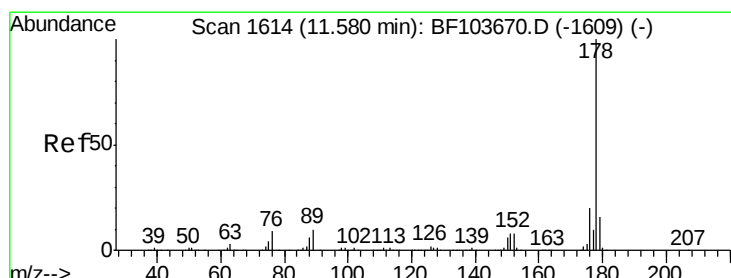
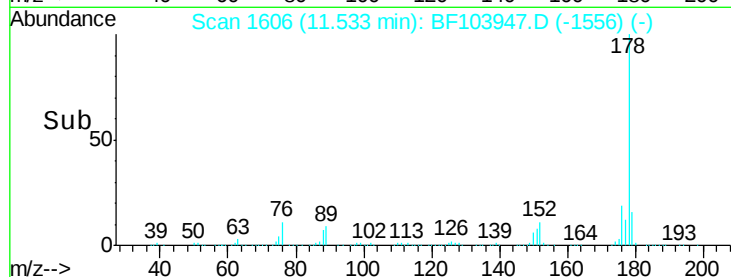
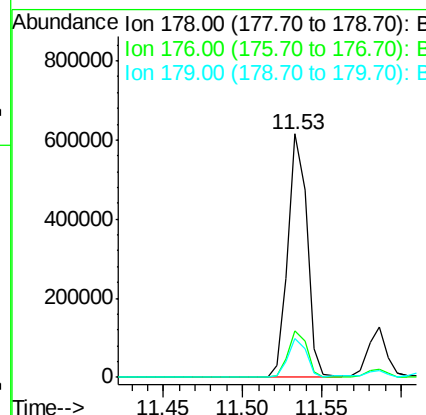
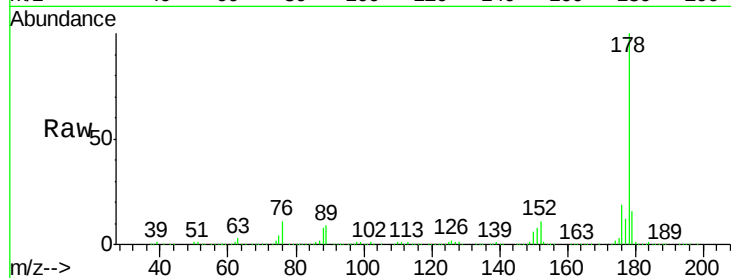
#70
Phenanthrene
Concen: 26.488 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampleId :
S-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.2	13.0	19.6

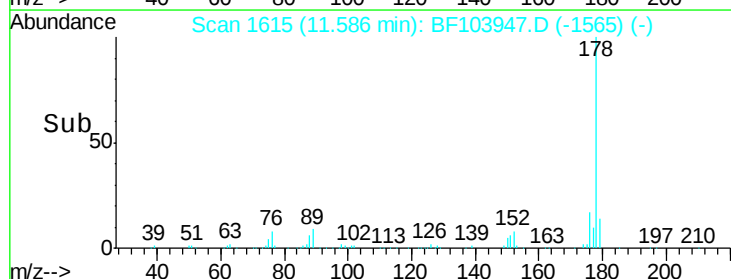
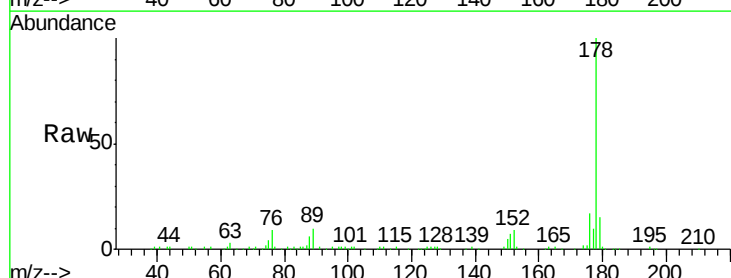
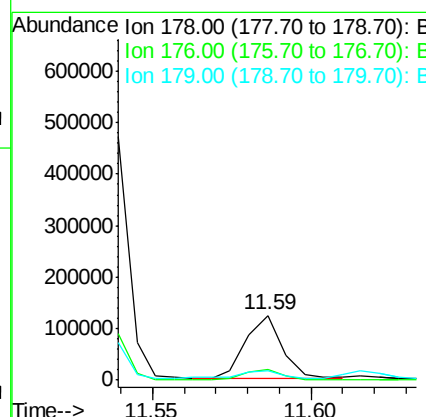
Manual Integrations
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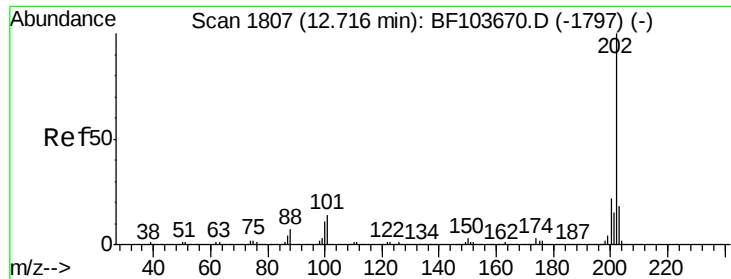
Sohil
3/27/2018 2:15:59 PM



#71
Anthracene
Concen: 4.920 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 30.220 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Instrument :

BNA_F

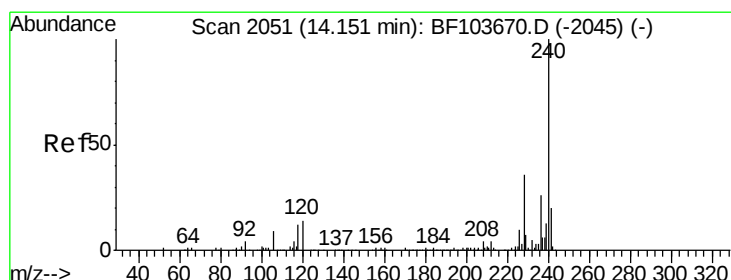
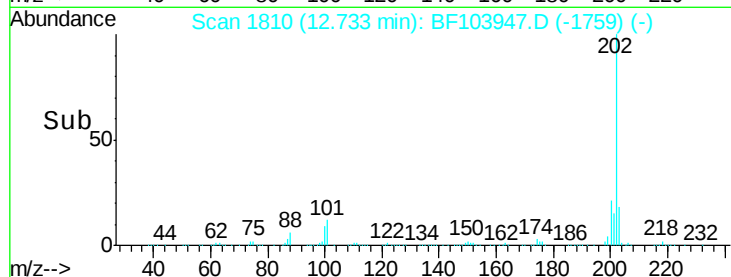
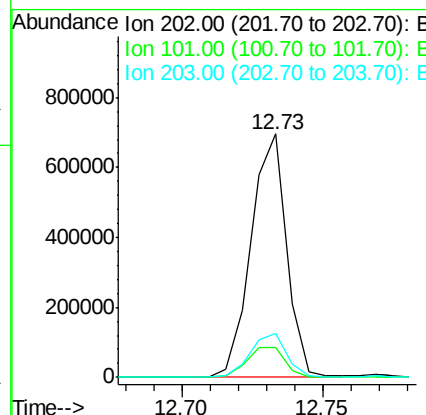
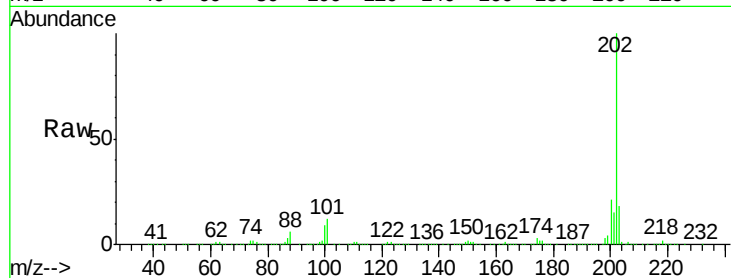
ClientSampleId :

S-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

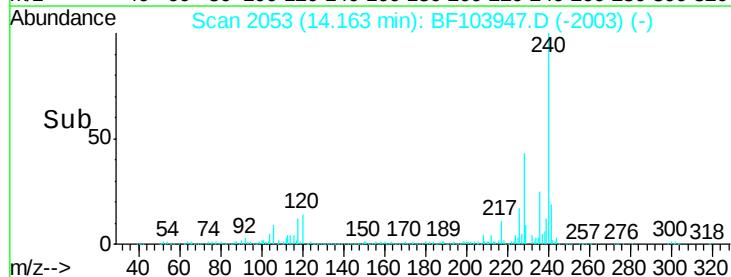
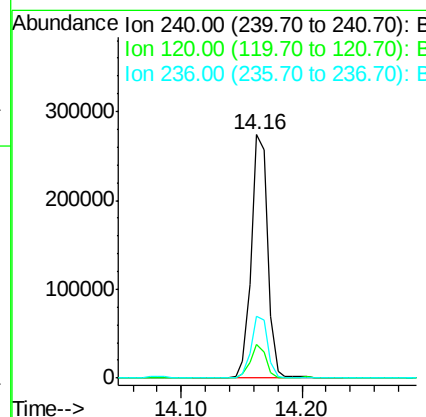
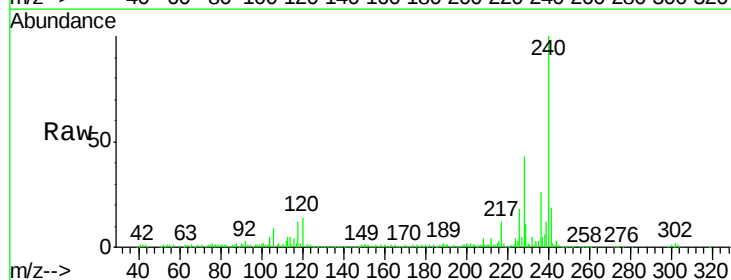
RT: 14.16 min Scan# 2053

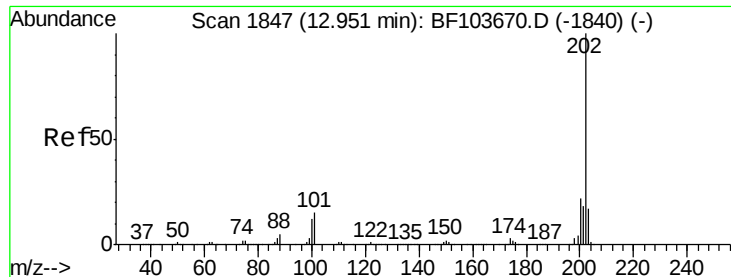
Delta R.T. -0.01 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.8	9.5	14.3
236	25.6	20.7	31.1





#77

Pvrene

Concen: 35.424 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF103947.D

Acq: 27 Mar 2018 1:09

Instrument :

BNA_F

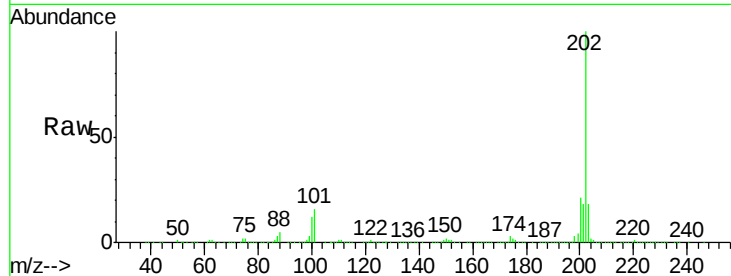
ClientSampled :

S-3

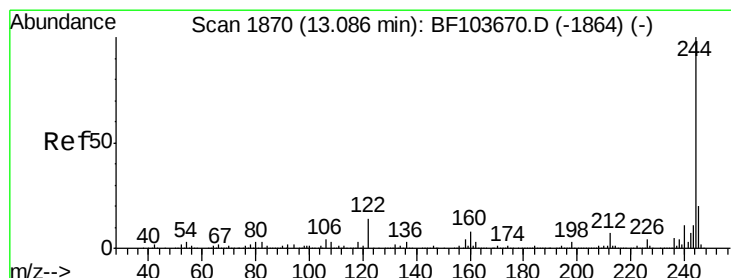
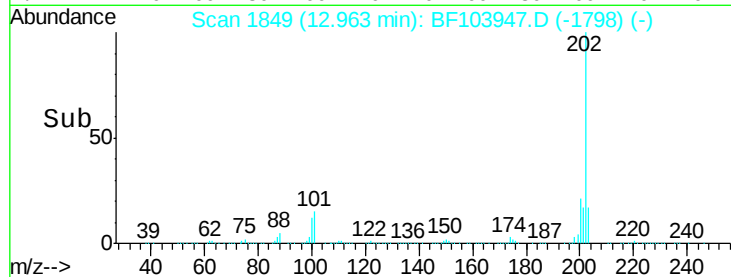
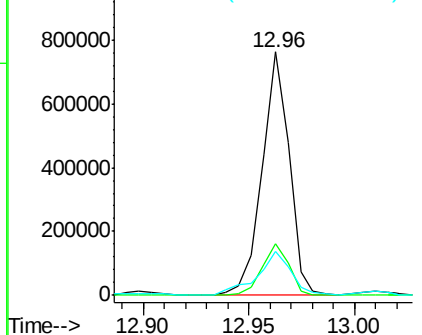
Tot Ion:	202	Resp:	682358
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.2	14.3	21.5

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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: 66.408 ng

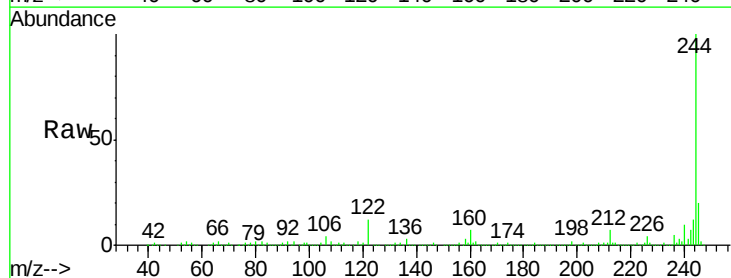
RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

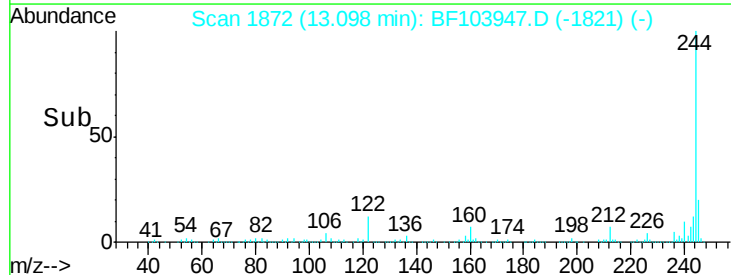
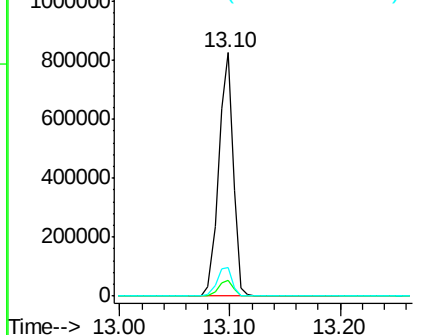
Lab File: BF103947.D

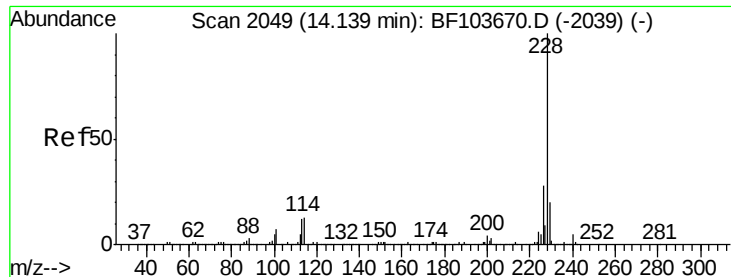
Acq: 27 Mar 2018 1:09

Tgt Ion:	244	Resp:	750428
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.9	11.0	16.4



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





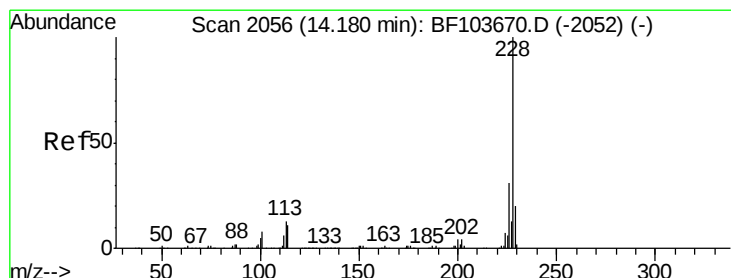
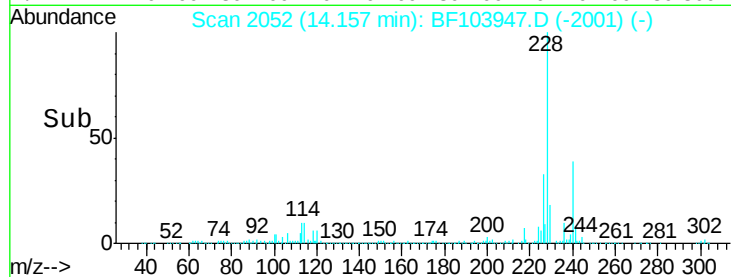
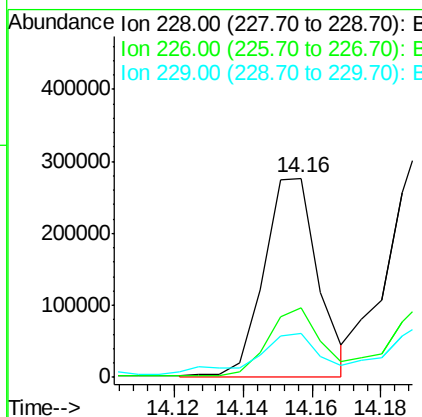
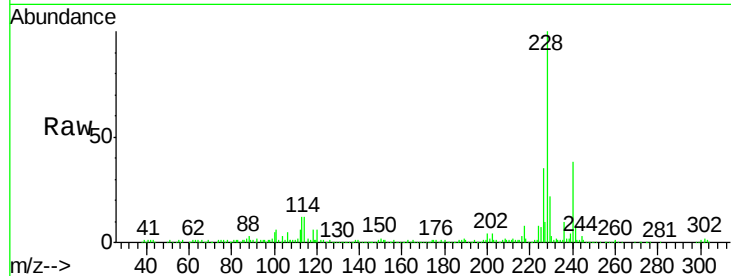
#80
Benzo(a)anthracene
Concen: 18.385 ng m
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampled :
S-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	21.8	15.8	23.6

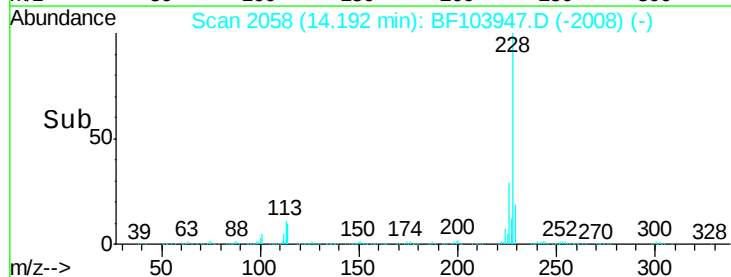
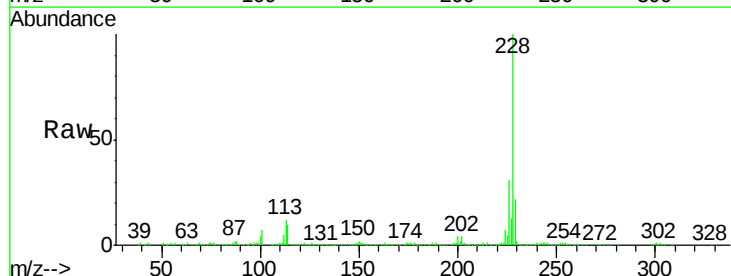
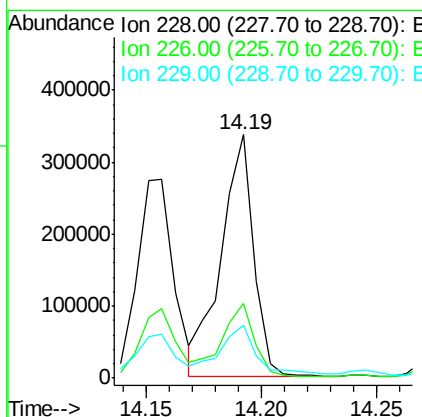
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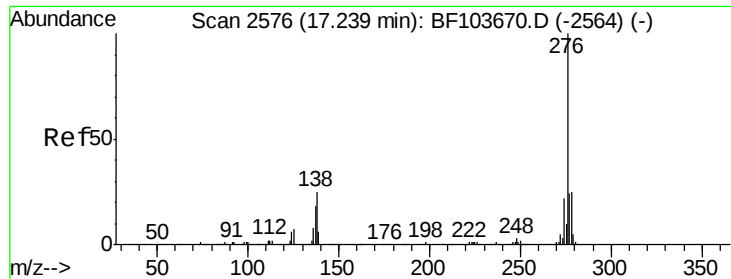
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#82
Chrysene
Concen: 20.727 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.8	16.2	24.4





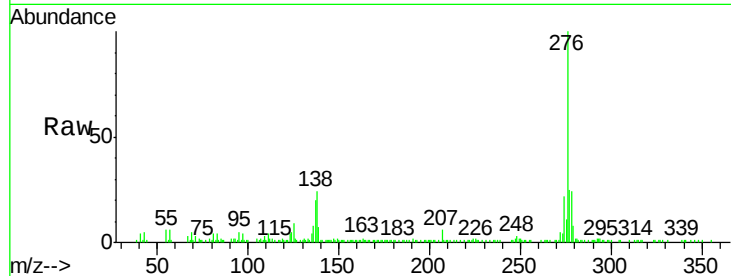
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.718 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampled :
S-3

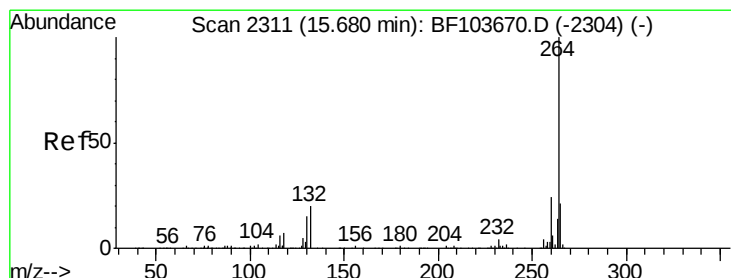
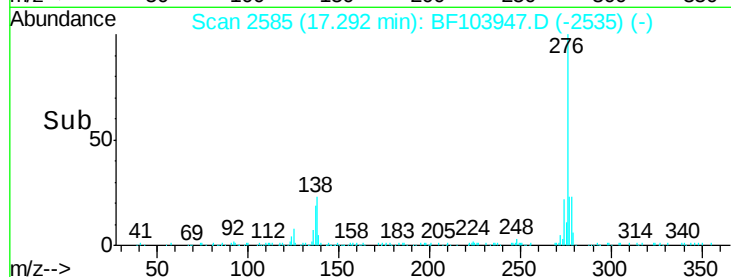
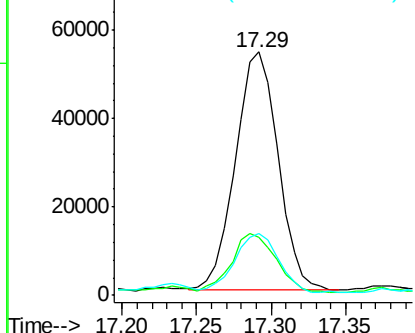
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	25.8	20.1	30.1

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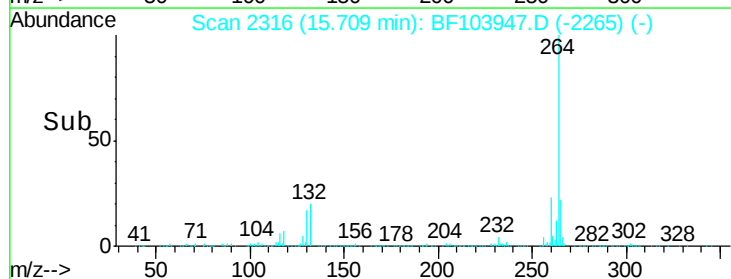
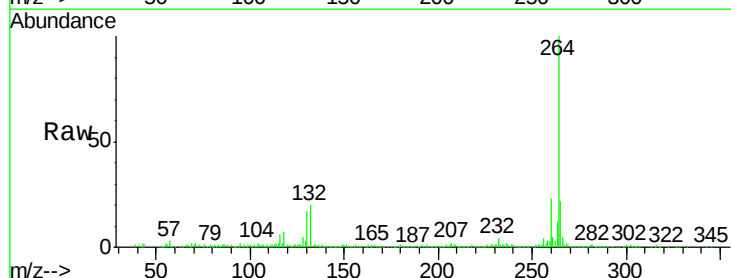
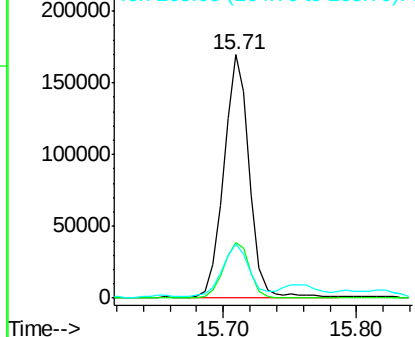
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

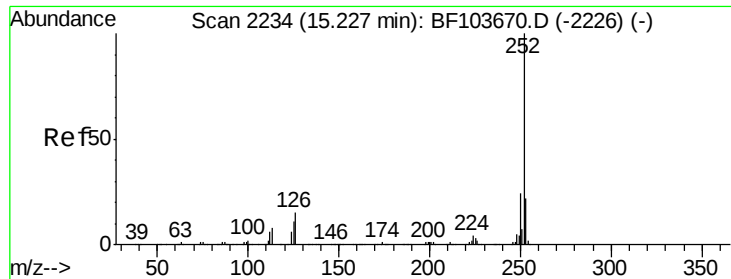


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.1	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





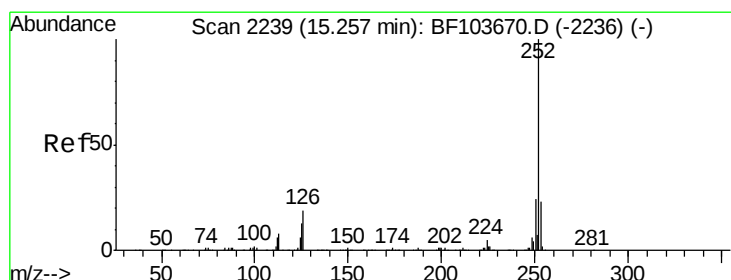
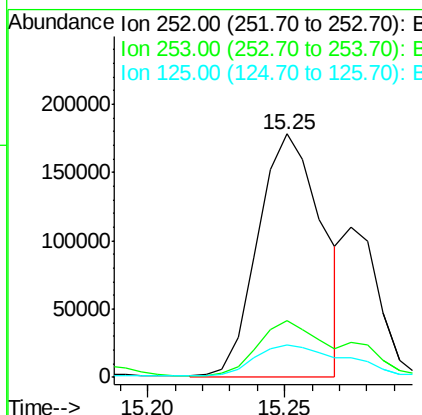
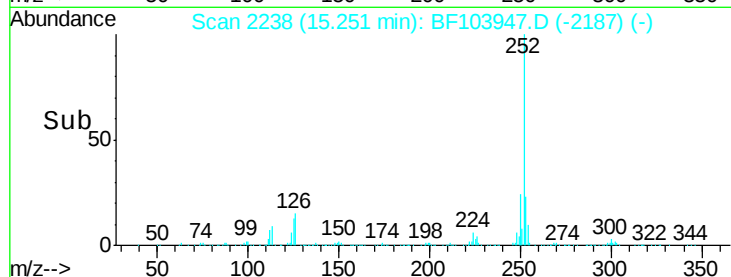
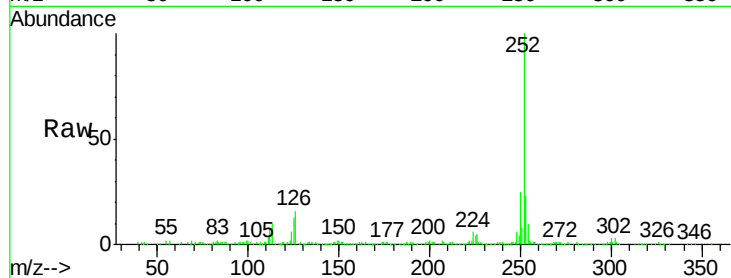
#87
Benzo(b)fluoranthene
Concen: 20.499 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampleId :
S-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.3	9.0	13.6

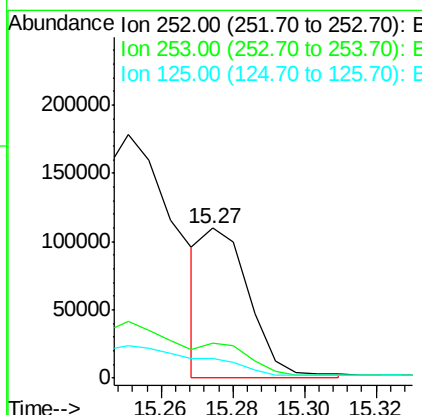
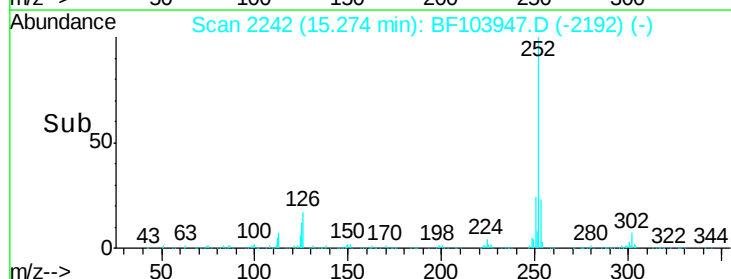
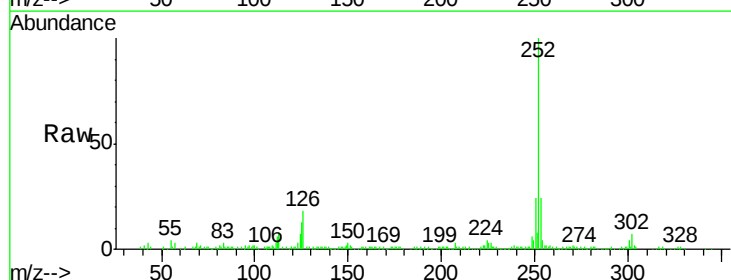
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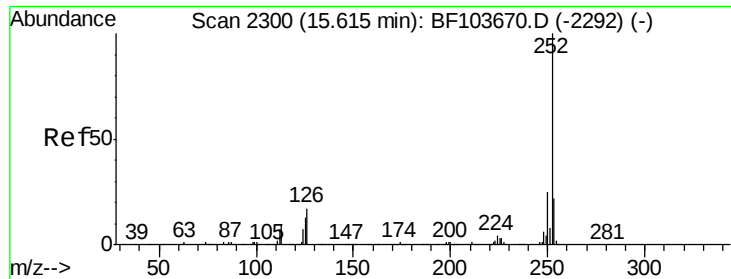
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#88
Benzo(k)fluoranthene
Concen: 7.199 ng m
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.0	10.2	15.2





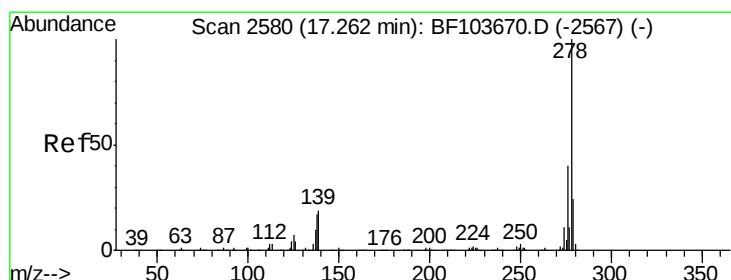
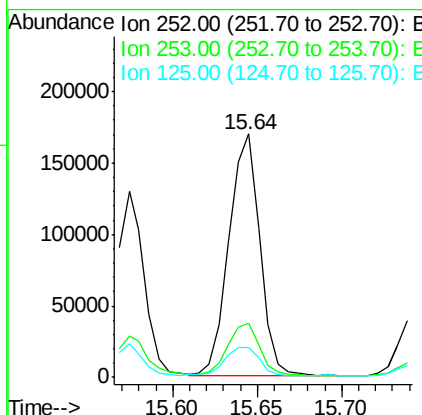
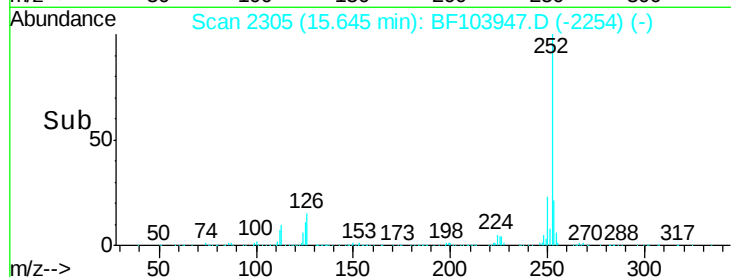
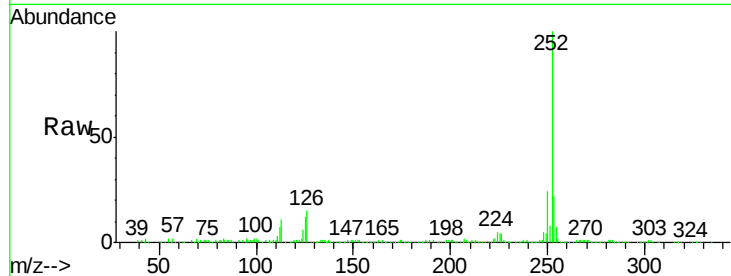
#89
Benzo(a)pyrene
Concen: 16.631 ng
RT: 15.64 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Instrument :
BNA_F
ClientSampled :
S-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	12.2	9.8	14.6

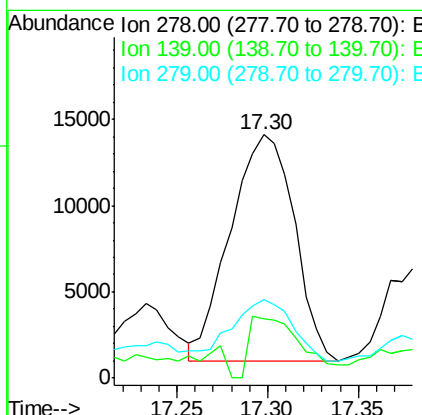
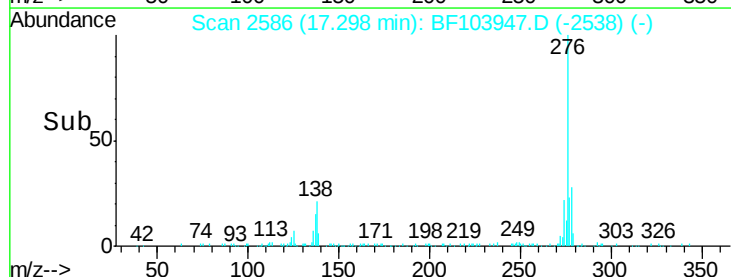
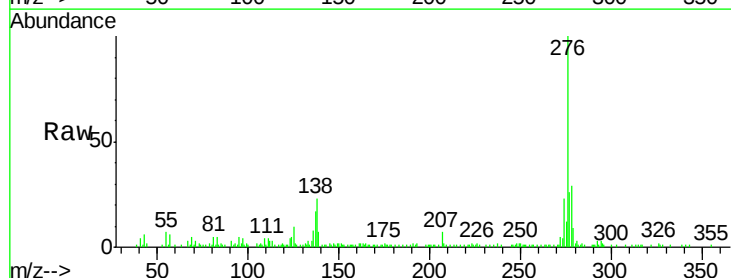
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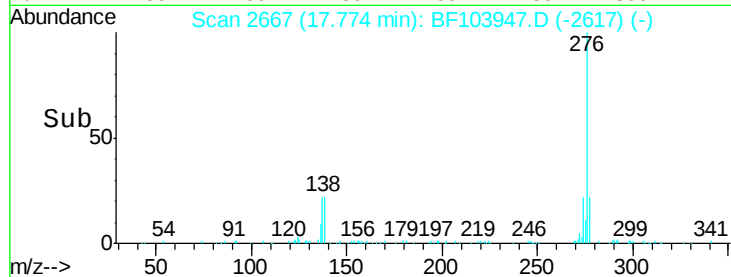
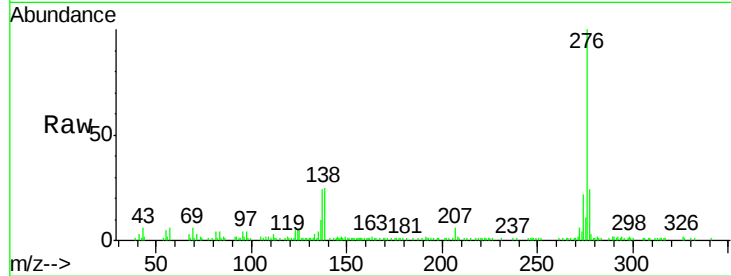
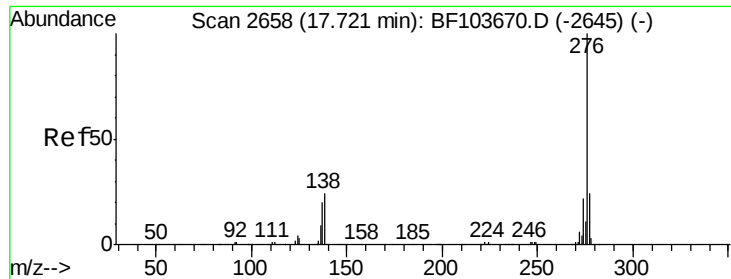
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#90
Dibenzo(a,h)anthracene
Concen: 2.888 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103947.D
Acq: 27 Mar 2018 1:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	15.9	23.9#
279	32.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 10.291 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. -0.01 min
 Lab File: BF103947.D
 Acq: 27 Mar 2018 1:09

Instrument :
 BNA_F
 ClientSampleId :
 S-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	25.2	21.8	32.8

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