

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097292.D
 Acq On : 2 Aug 2017 23:57
 Operator : SJ/JU
 Sample : I4540-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12020

Manual Integrations
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 8/3/2017 6:08:22 PM

Quant Time: Aug 03 01:27:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	125094	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	499451	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	191742	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	276670	20.00	ng	-0.05
75) Chrysene-d12	13.58	240	189961	20.00	ng	-0.05
86) Perylene-d12	14.92	264	159655	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	512488	61.76	ng	-0.05
7) Phenol-d6	6.12	99	596219	62.94	ng	-0.05
23) Nitrobenzene-d5	7.02	82	334245	39.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	79546	52.51	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	565550	50.06	ng	-0.06
78) Terphenyl-d14	12.53	244	349310	37.49	ng	-0.05
Target Compounds						
49) Dimethylphthalate	9.21	163	96284	6.613	ng	99
51) Acenaphthene	9.51	154	76581	7.028	ng	98
54) Dibenzofuran	9.68	168	32698	2.253	ng	# 93
57) Fluorene	10.02	166	69131	6.337	ng	# 97
70) Phenanthrene	10.98	178	817616	55.155	ng	99
71) Anthracene	11.03	178	260657	17.168	ng	98
72) Carbazole	11.19	167	44140	2.956	ng	96
74) Fluoranthene	12.17	202	1191871	82.071	ng	100
77) Pyrene	12.39	202	1278064	82.183	ng	100
80) Benzo(a)anthracene	13.57	228	659814	53.681	ng	99
82) Chrysene	13.61	228	619903	51.650	ng	98
85) Indeno(1,2,3-cd)pyrene	16.13	276	253066	24.590	ng	97
87) Benzo(b)fluoranthene	14.57	252	627035m	65.335	ng	
88) Benzo(k)fluoranthene	14.59	252	200972m	21.975	ng	
89) Benzo(a)pyrene	14.87	252	458358	52.183	ng	# 95
90) Dibenzo(a,h)anthracene	16.13	278	63838m	8.863	ng	
91) Benzo(a,h,i)perylene	16.49	276	237952	31.502	ng	98

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

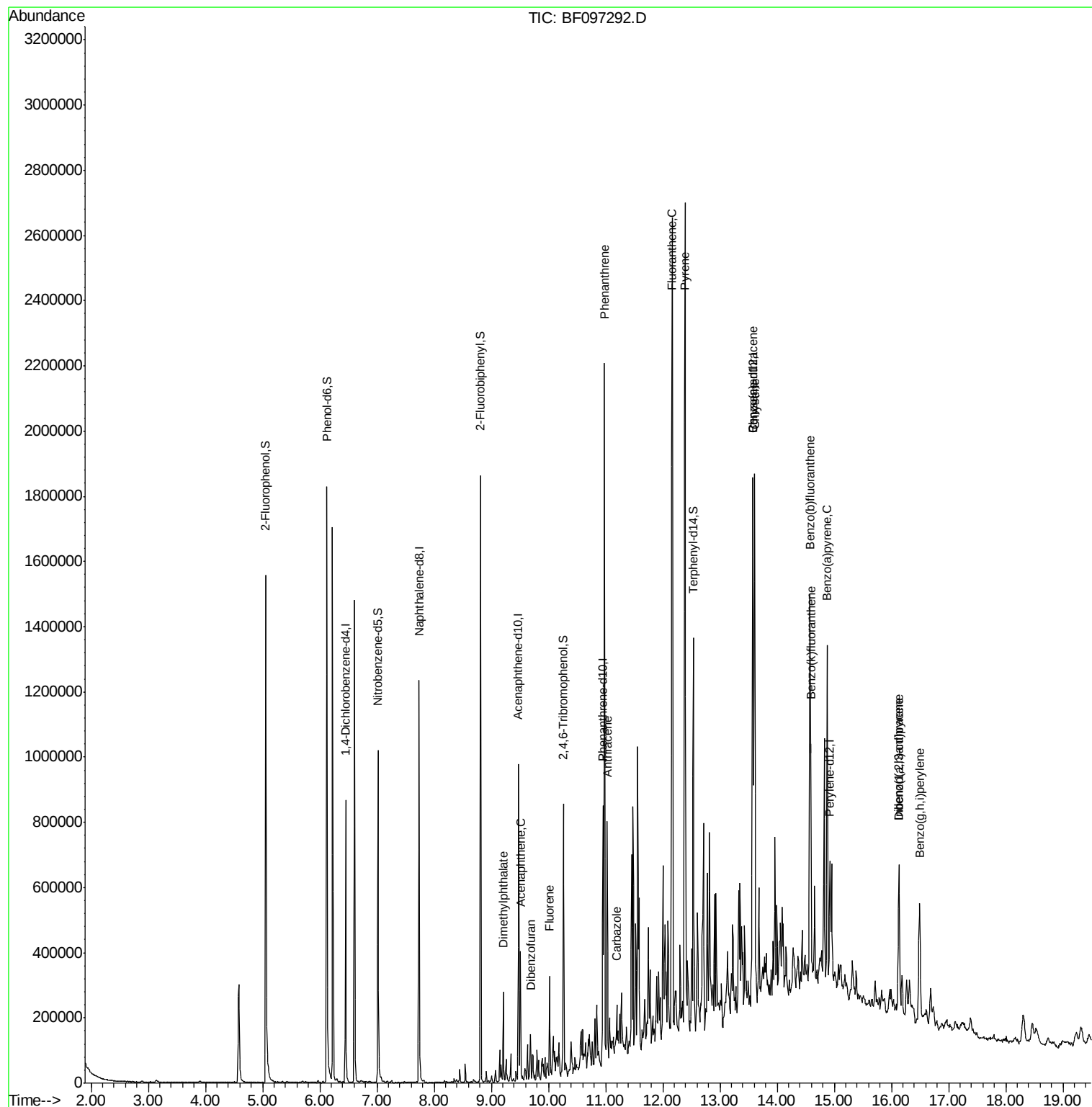
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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ALS Vial : 23 Sample Multiplier: 1

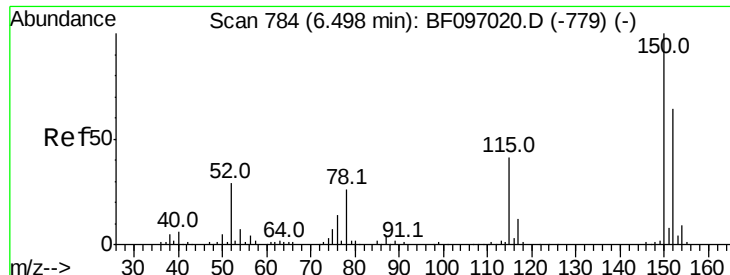
Instrument :
BNA_F
ClientSampleId :
72-12020

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Quant Time: Aug 03 01:27:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

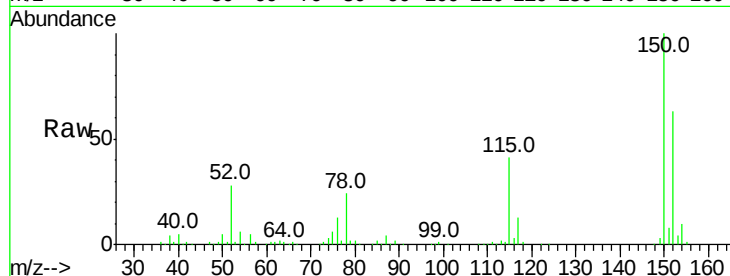
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.2	189.2
115	64.5	52.2	78.2

Manual Integrations
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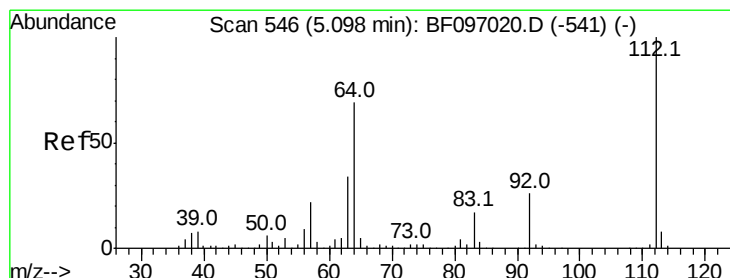
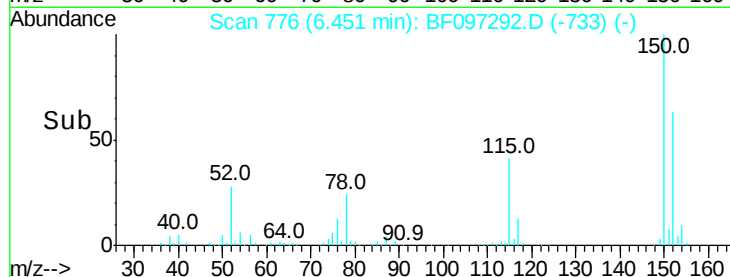
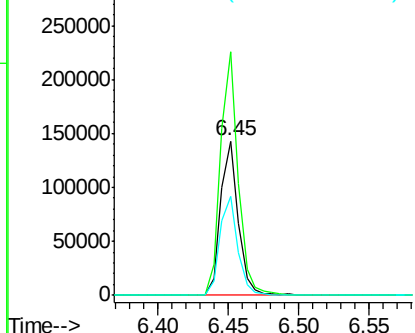


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

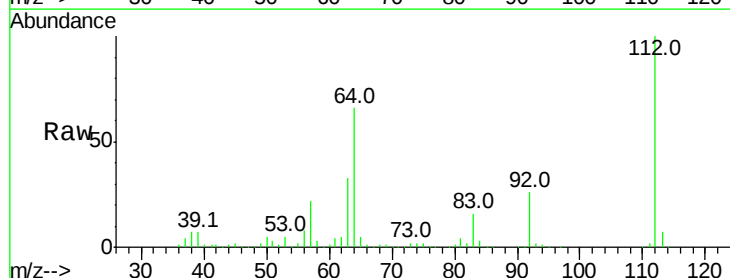
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 61.759 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.0	69.0
63	33.5	23.4	35.0

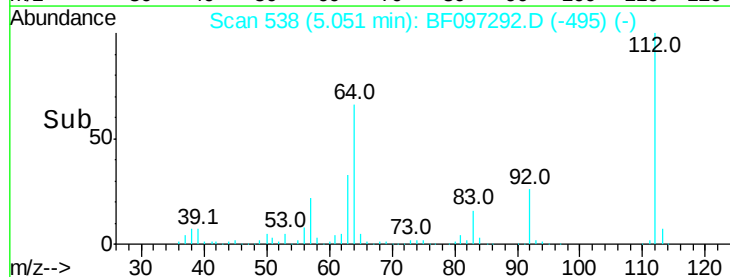
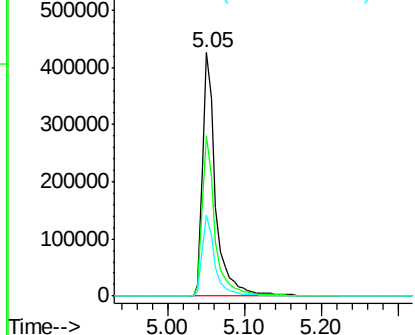


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 62.936 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Instrument :

BNA_F

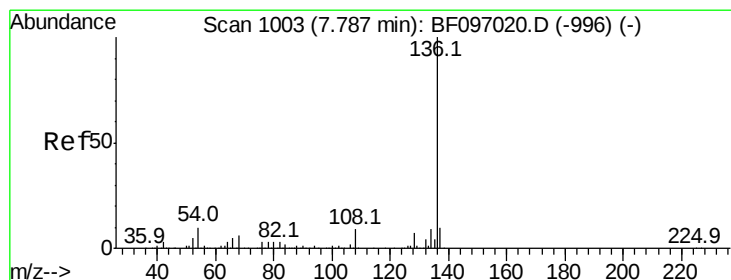
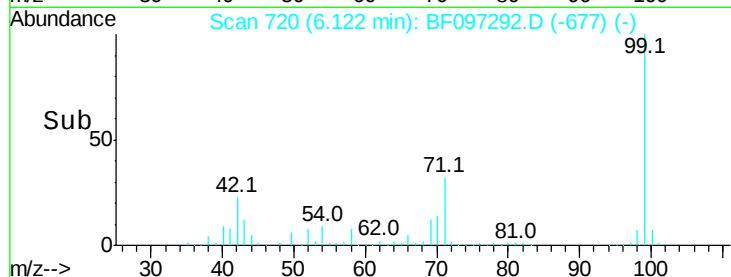
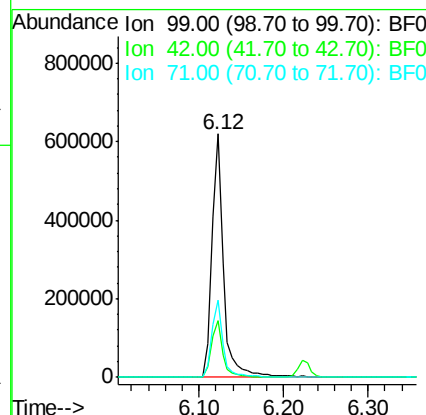
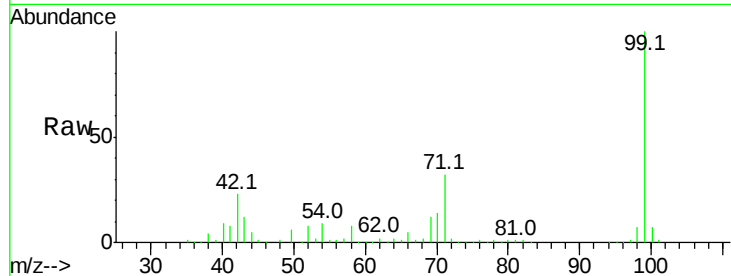
ClientSampleId :

72-12020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		596219		
42	23.2	13.5	20.3#		
71	31.7	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

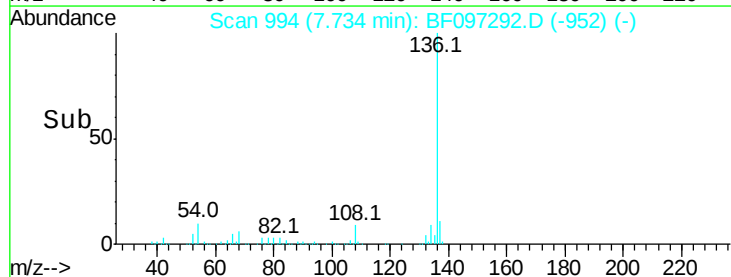
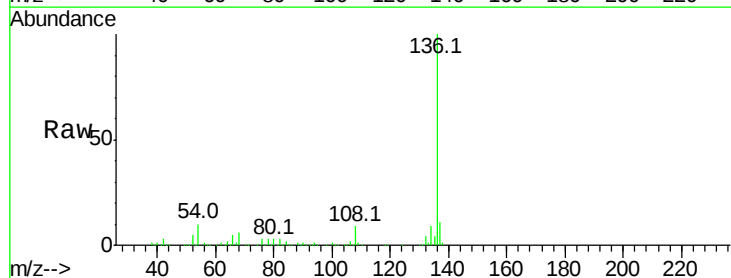
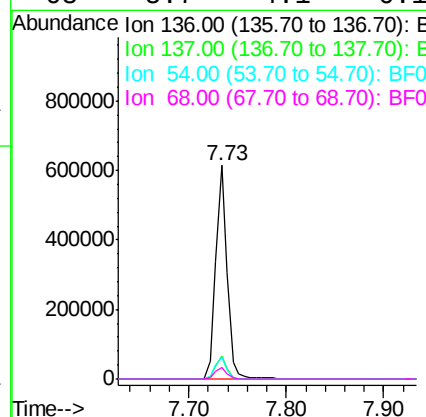
RT: 7.73 min Scan# 994

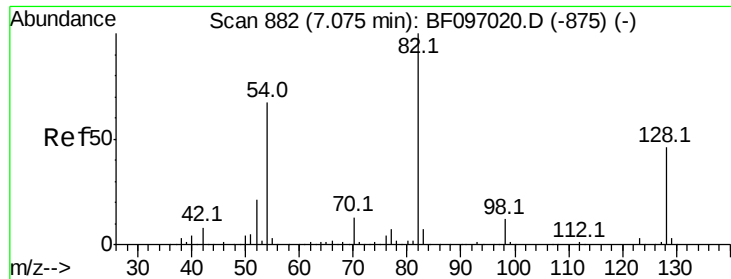
Delta R.T. -0.05 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		499451		
137	10.6	8.5	12.7		
54	10.1	4.9	7.3#		
68	5.7	4.1	6.1		





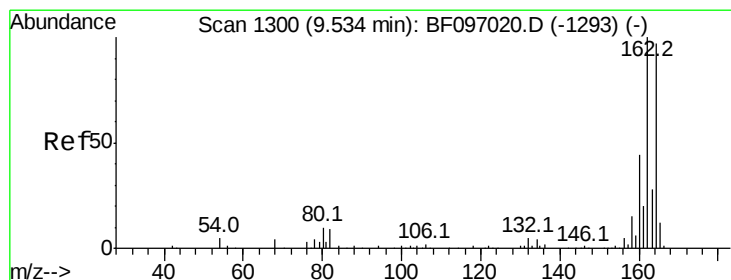
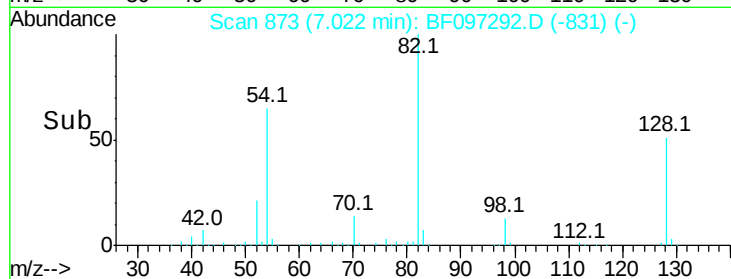
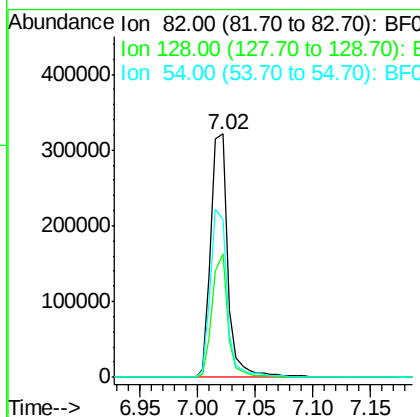
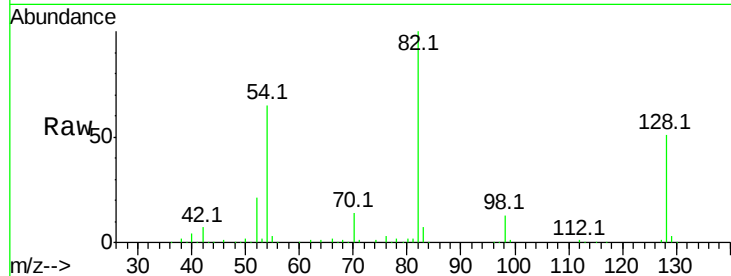
#23
 Nitrobenzene-d5
 Concen: 39.259 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Instrument :
 BNA_F
 ClientSampleId :
 72-12020

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.7	34.0	51.0
54	65.0	42.2	63.2

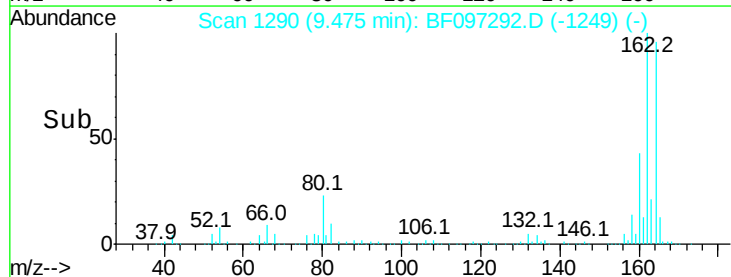
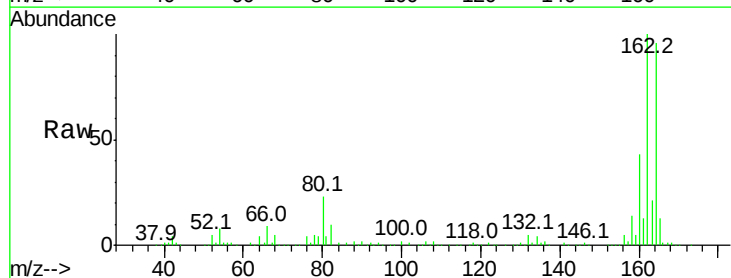
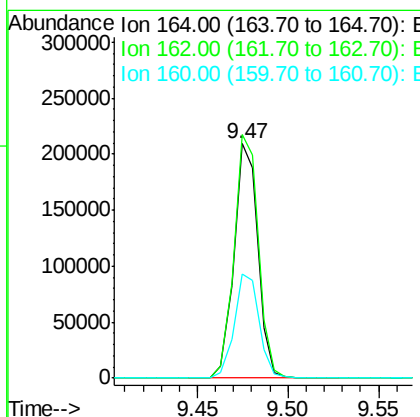
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	44.3	36.2	54.2





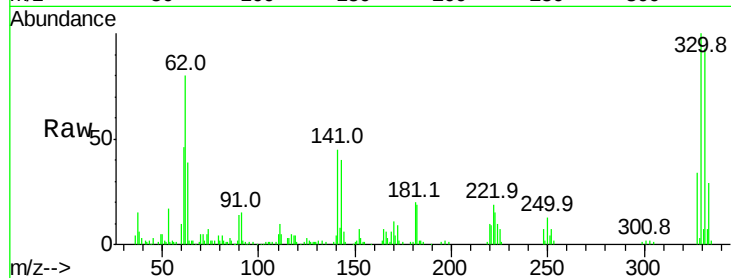
#41
 2,4,6-Tribromophenol
 Concen: 52.507 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Instrument :
 BNA_F
 ClientSampled :
 72-12020

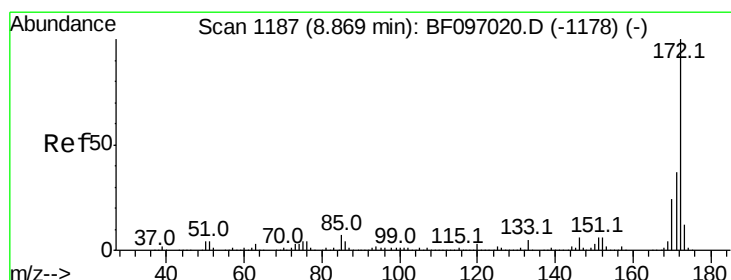
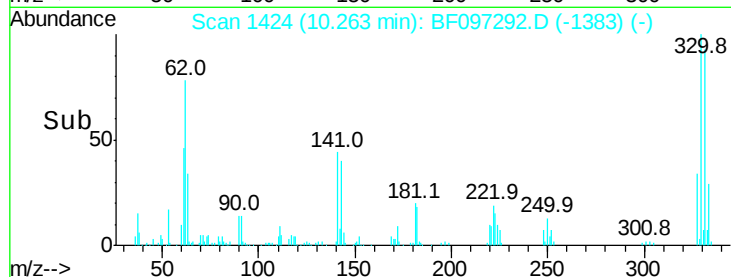
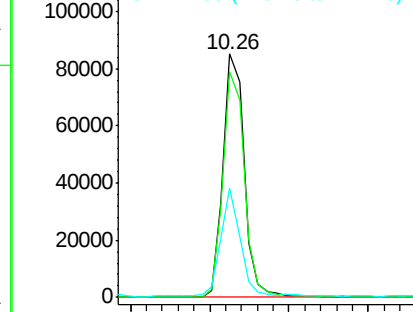
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	76.6	115.0
141	39.6	31.4	47.2

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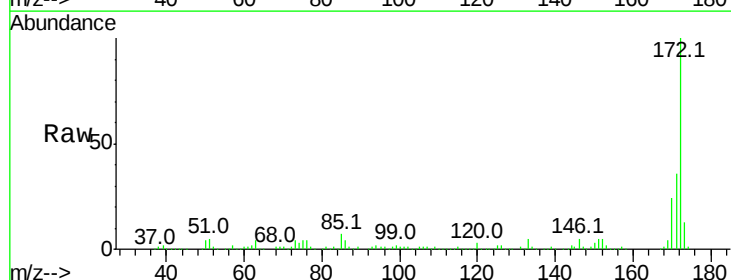


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

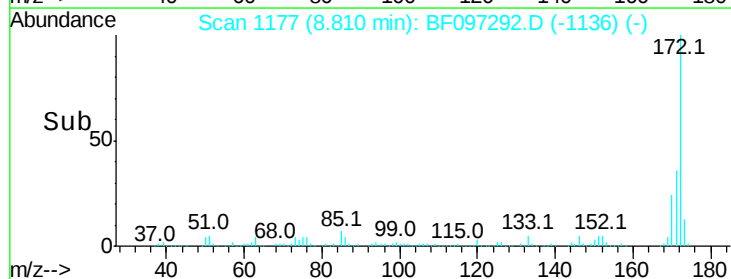
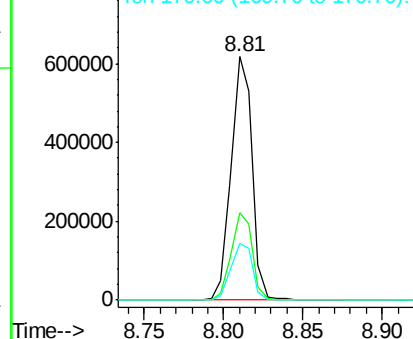


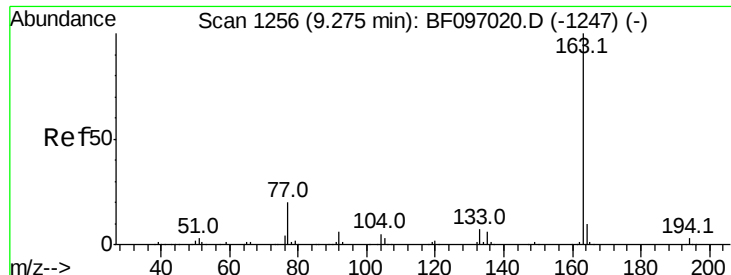
#44
 2-Fluorobiphenyl
 Concen: 50.056 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.5	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





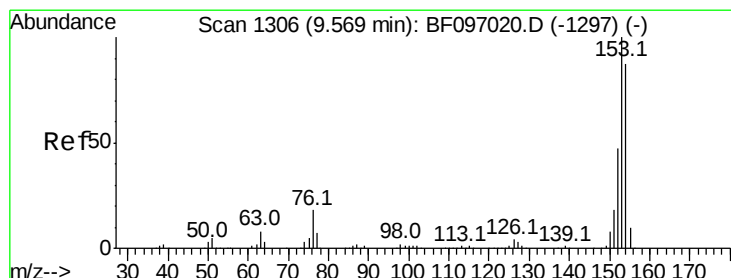
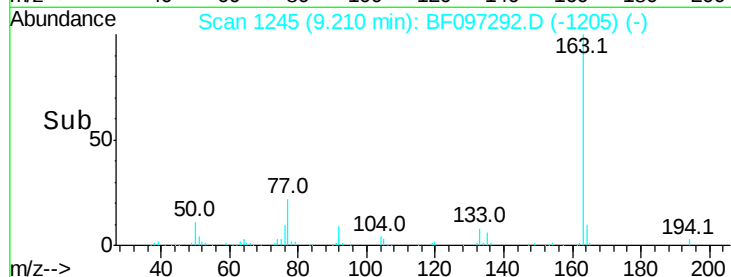
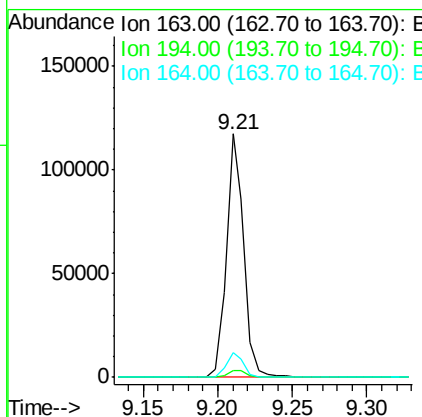
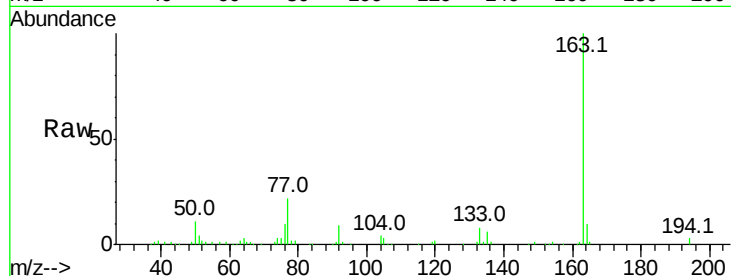
#49
Dimethylphthalate
Concen: 6.613 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.9		2.6	4.0
164	10.1		8.4	12.6

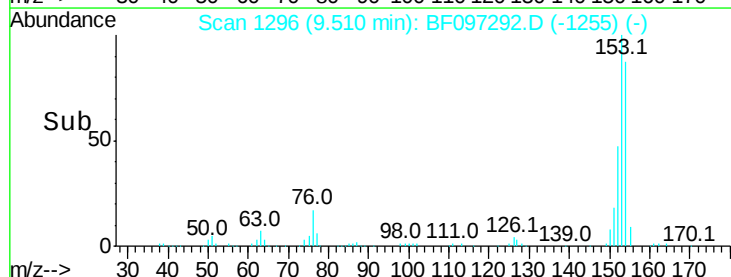
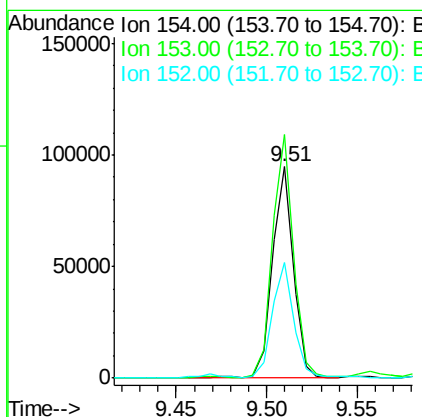
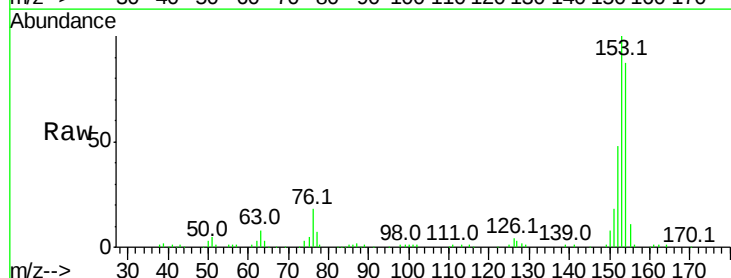
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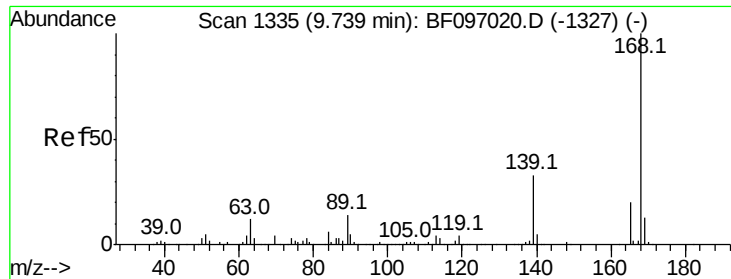
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#51
Acenaphthene
Concen: 7.028 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.4		90.5	135.7
152	55.1		43.6	65.4





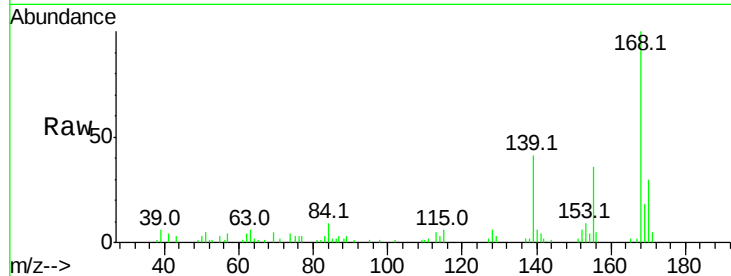
#54
Dibenzenofuran
Concen: 2.253 ng
RT: 9.68 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	32698		
139	40.9		30.6	45.8
169	18.4		10.8	16.2

Manual Integrations
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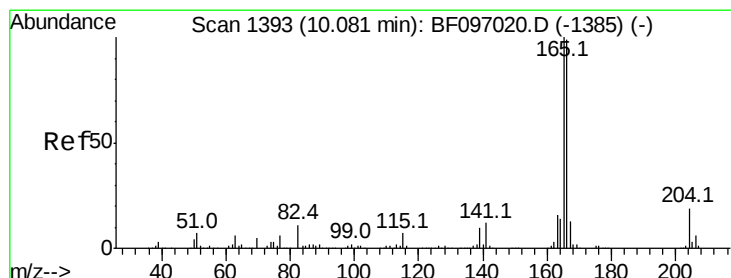
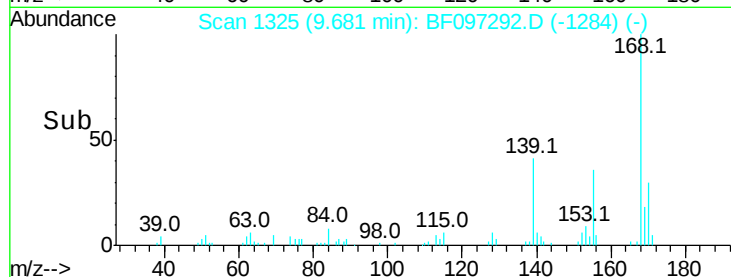
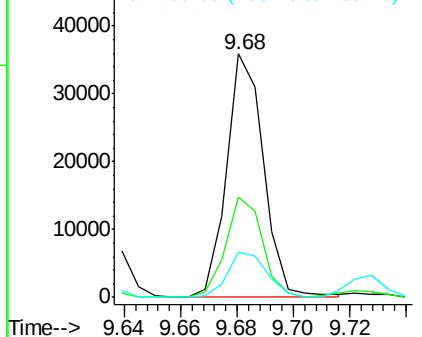


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 6.337 ng
RT: 10.02 min Scan# 1383
Delta R.T. -0.06 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

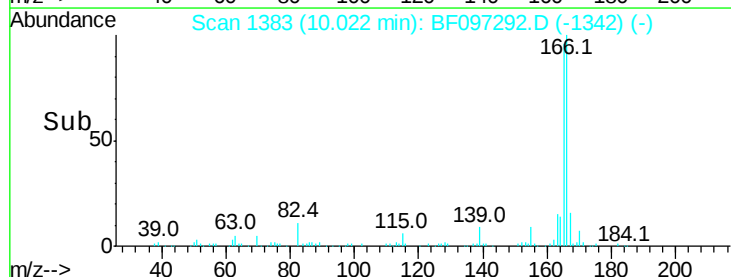
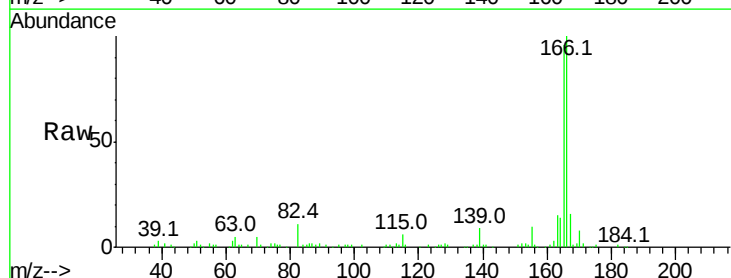
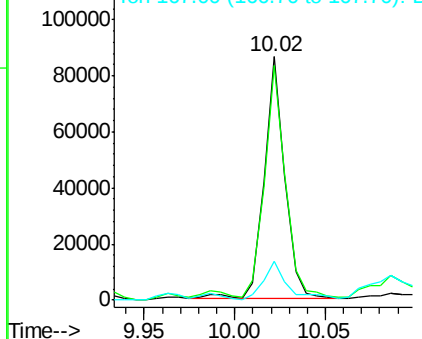
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	69131		
165	96.2		78.8	118.2
167	16.2		10.6	16.0

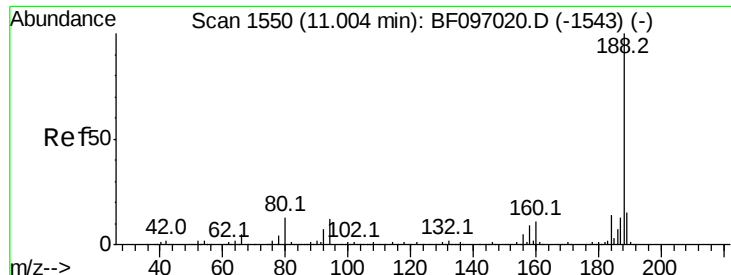
Abundance

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





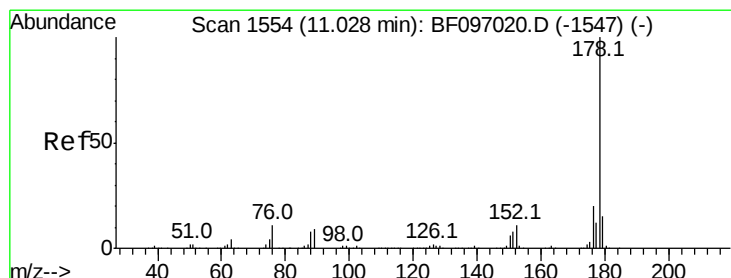
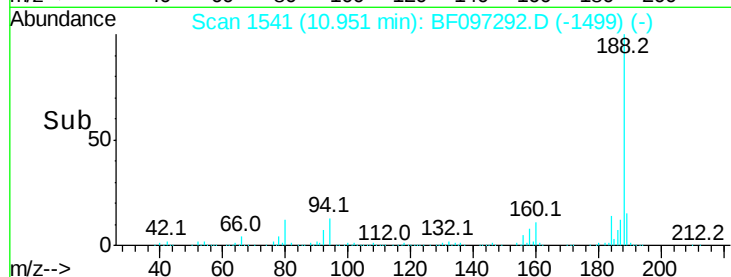
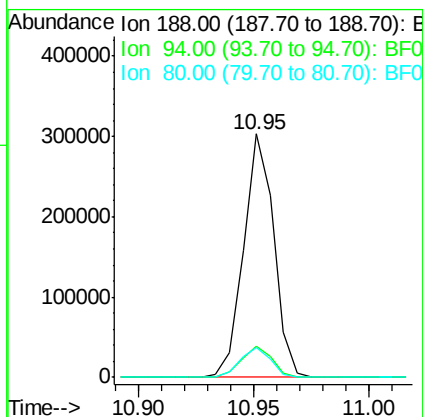
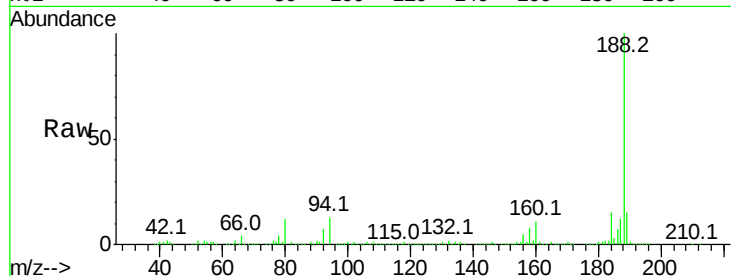
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion	Ratio	Resp	Lower	Upper
188	100	276670		
94	12.8		9.4	14.2
80	12.4		10.2	15.2

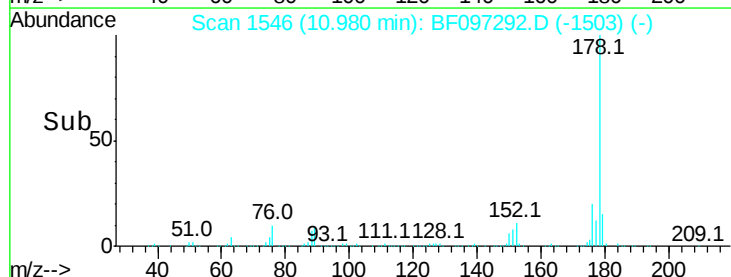
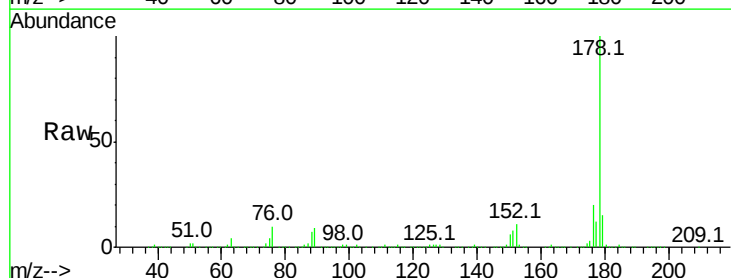
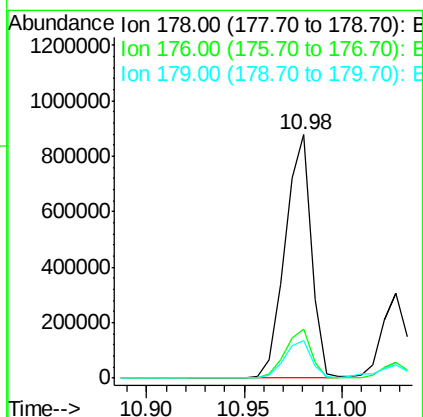
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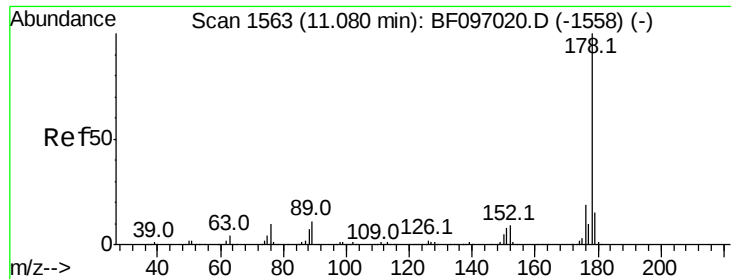
Sohil
8/3/2017 6:08:22 PM



#70
Phenanthrene
Concen: 55.155 ng
RT: 10.98 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	817616		
176	20.1		16.2	24.4
179	15.5		12.6	19.0





#71

Anthracene

Concen: 17.168 ng

RT: 11.03 min Scan# 1554

Delta R.T. -0.05 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Instrument :

BNA_F

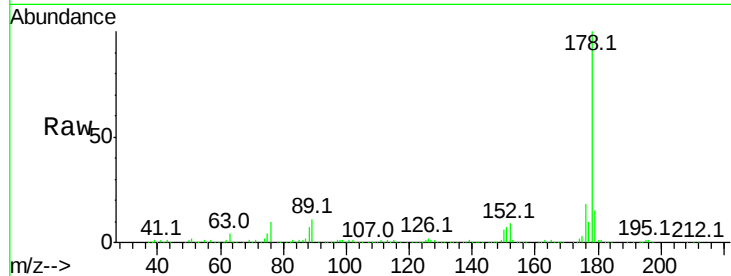
ClientSampled :

72-12020

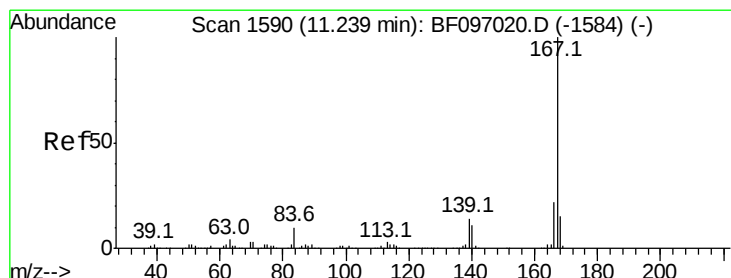
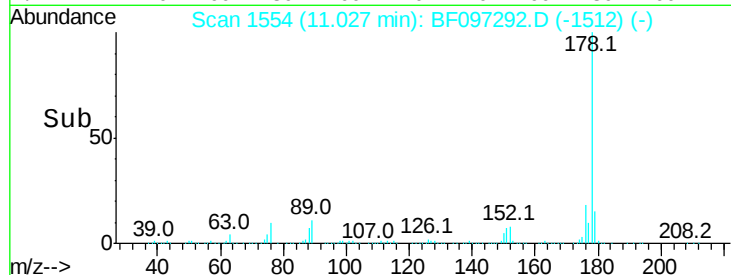
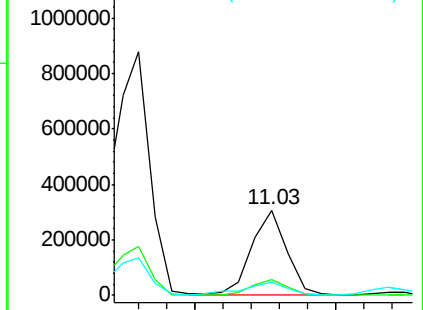
Tot Ion:	178	Resp:	260657
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.956 ng

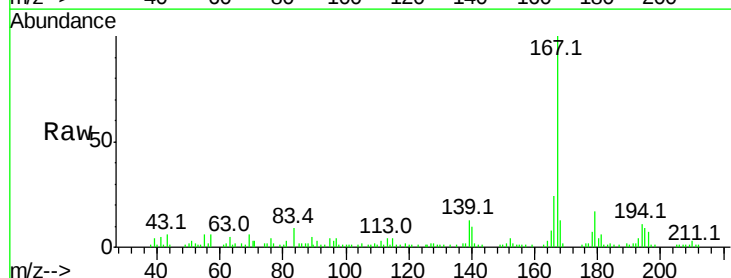
RT: 11.19 min Scan# 1582

Delta R.T. -0.05 min

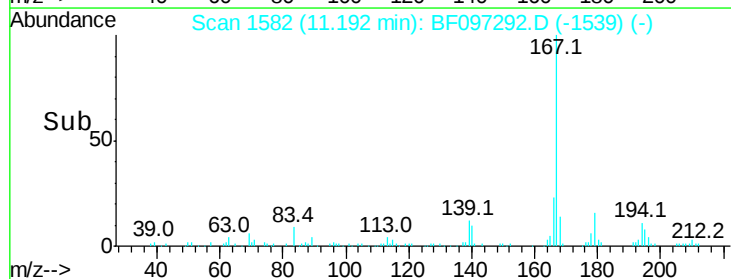
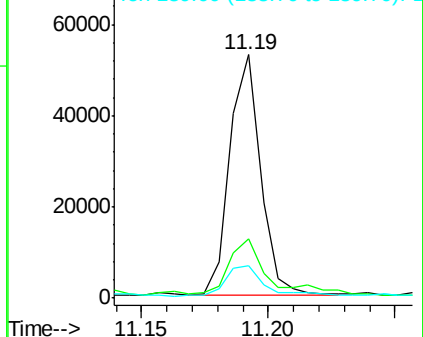
Lab File: BF097292.D

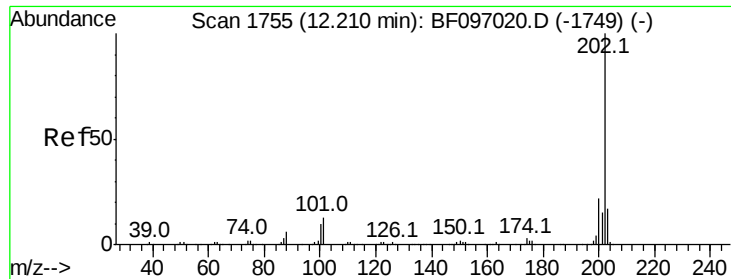
Acq: 2 Aug 2017 23:57

Tgt Ion:	167	Resp:	44140
Ion Ratio	Lower	Upper	
167	100		
166	24.4	18.1	27.1
139	13.2	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 82.071 ng

RT: 12.17 min Scan# 1748

Delta R.T. -0.04 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Instrument :

BNA_F

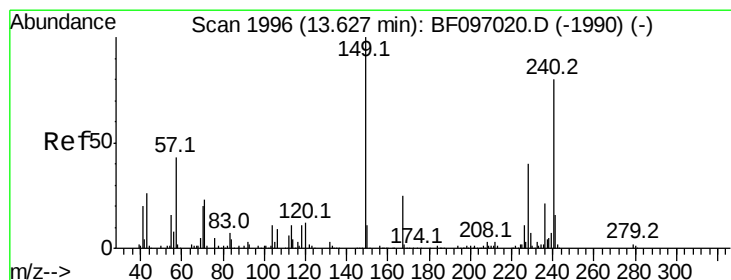
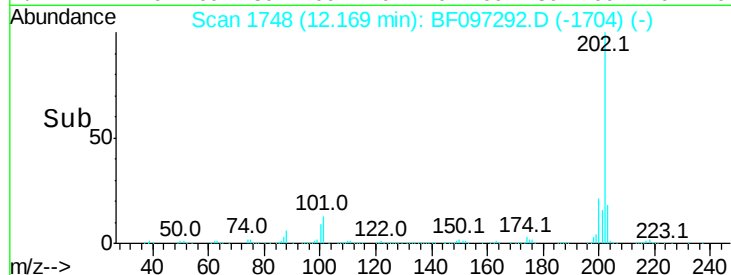
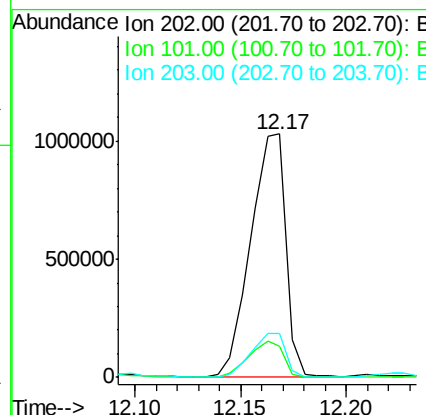
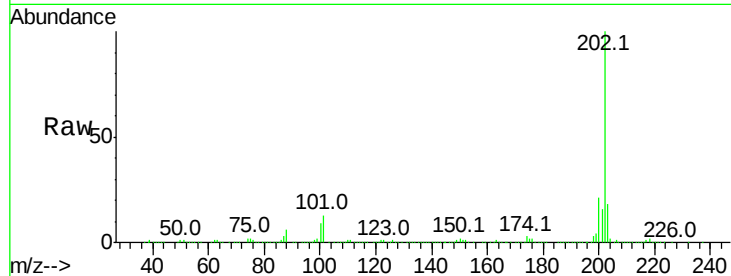
ClientSampled :

72-12020

Tot Ion:	202	Resp:	1191871
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.2
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

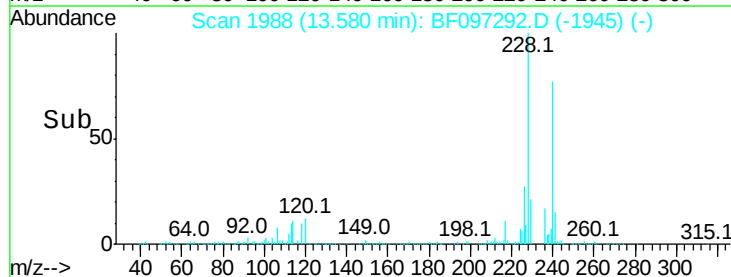
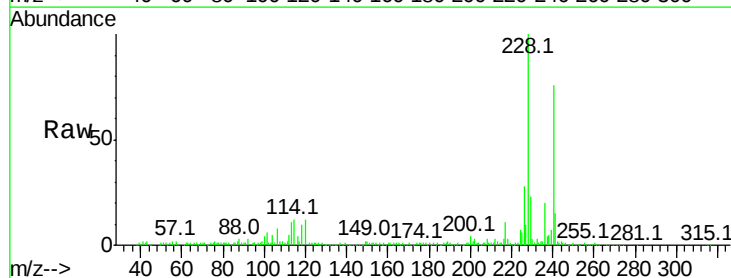
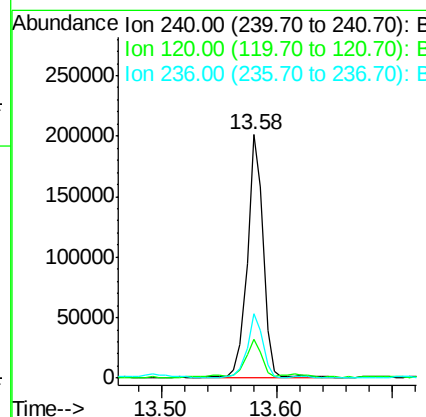
RT: 13.58 min Scan# 1988

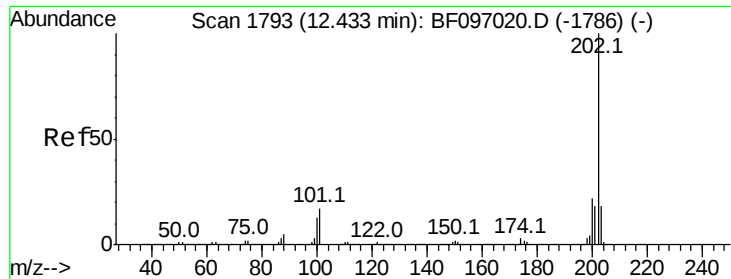
Delta R.T. -0.05 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Tgt Ion:	240	Resp:	189961
Ion Ratio	Lower	Upper	
240	100		
120	16.2	5.8	8.8#
236	26.3	20.5	30.7





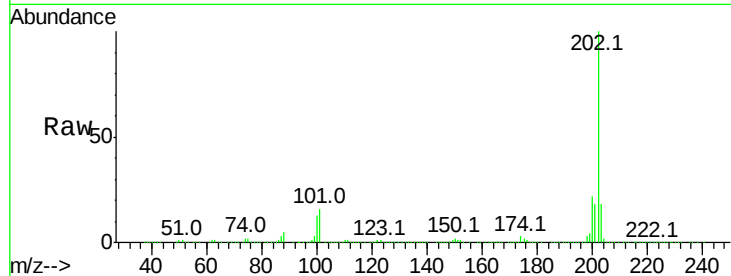
#77
Pvrene
Concen: 82.183 ng
RT: 12.39 min Scan# 1786
Delta R.T. -0.04 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampled :
72-12020

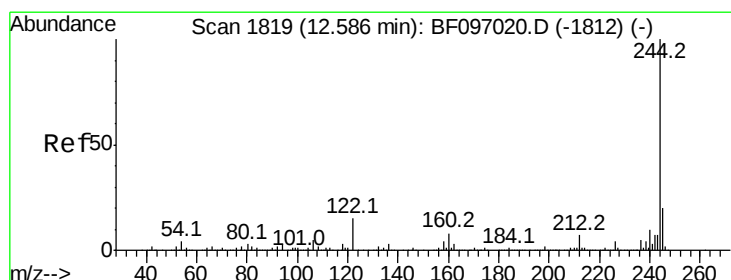
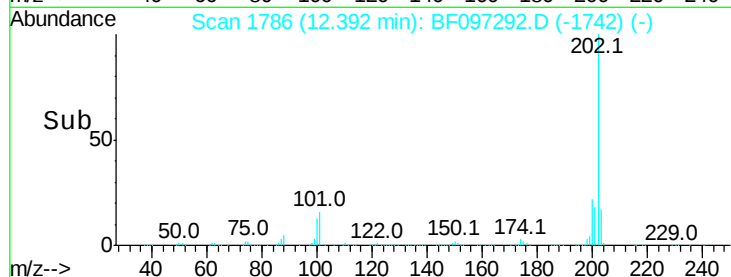
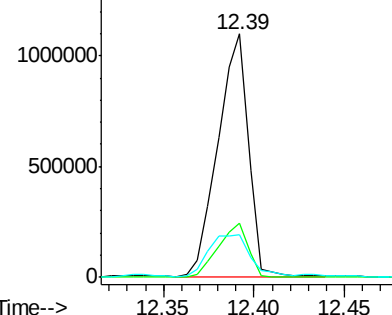
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	17.6	14.4	21.6

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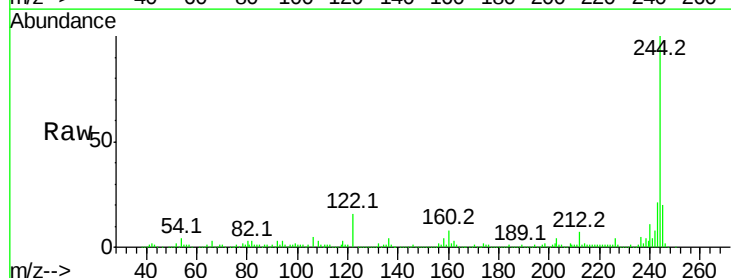


Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

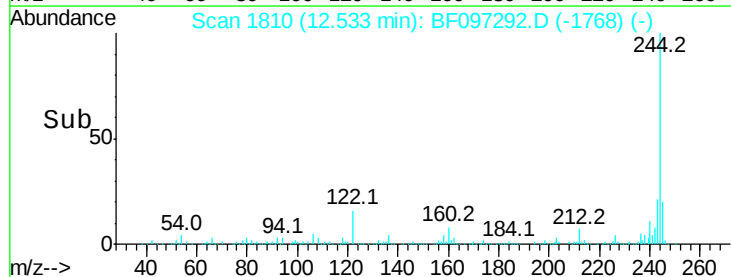
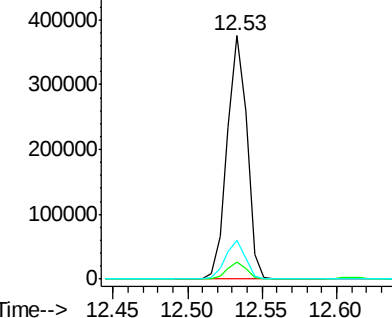


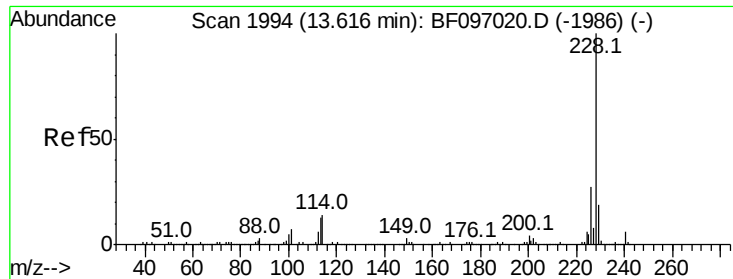
#78
Terphenyl-d14
Concen: 37.491 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	16.0	10.3	15.5#



Abundance Ion 244.00 (243.70 to 244.70): E
500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





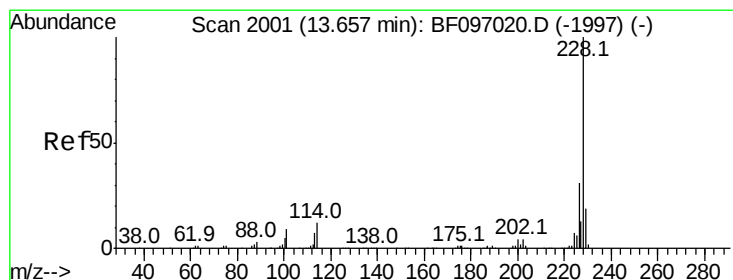
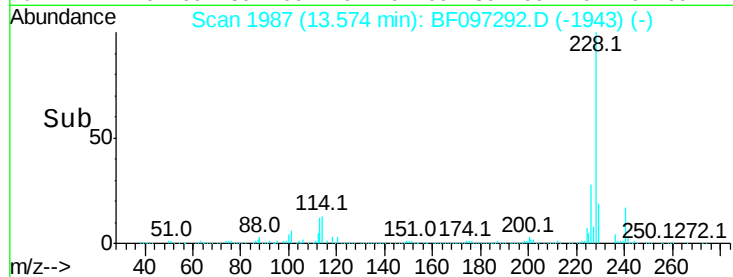
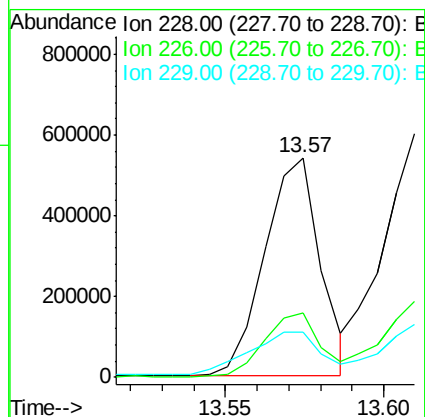
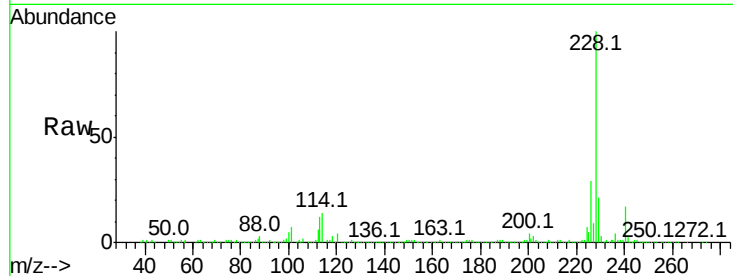
#80
Benzo(a)anthracene
Concen: 53.681 ng
RT: 13.57 min Scan# 1987
Delta R.T. -0.04 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion:	228	Resp:	659814
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	20.6	16.3	24.5

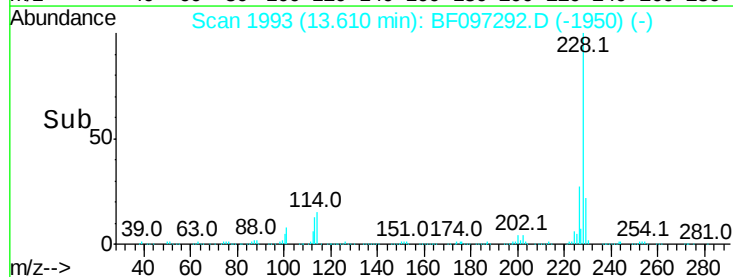
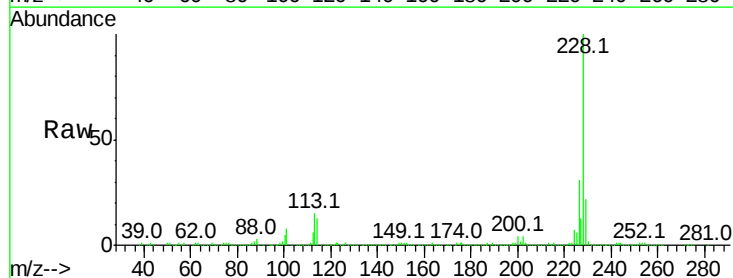
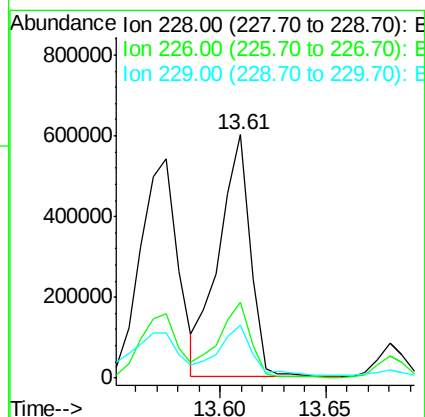
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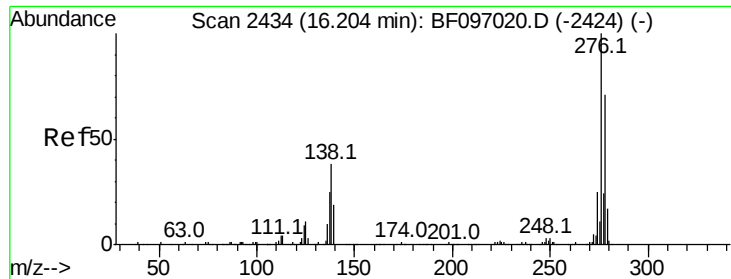
Sohil
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#82
Chrysene
Concen: 51.650 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion:	228	Resp:	619903
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.0	15.8	23.6





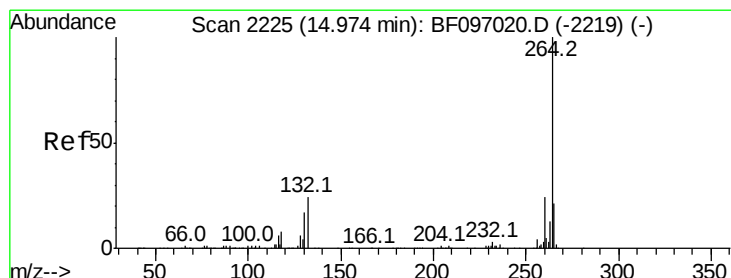
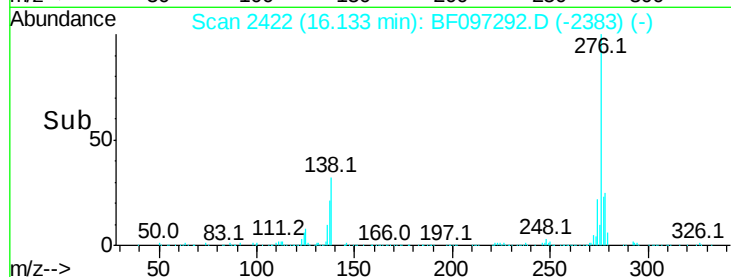
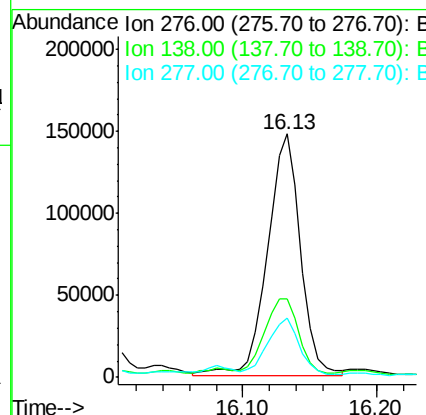
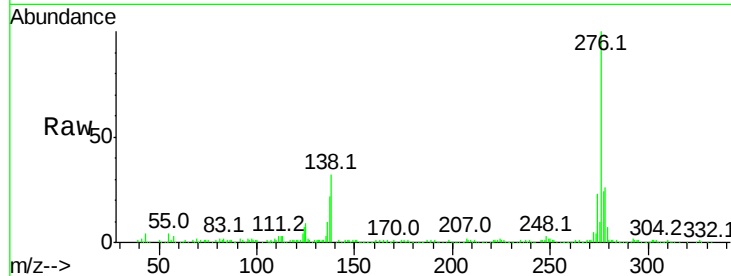
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.590 ng
 RT: 16.13 min Scan# 2422
 Delta R.T. -0.07 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Instrument :
 BNA_F
 ClientSampleId :
 72-12020

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.2	27.8	41.6
277	23.2	20.2	30.4

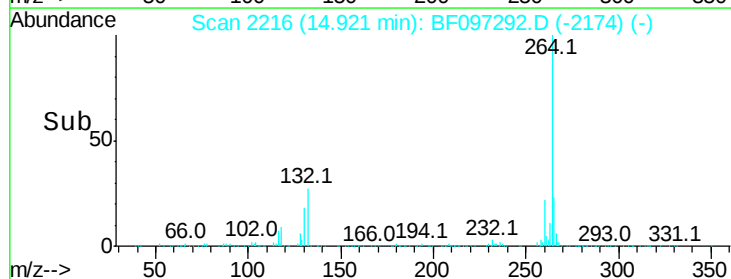
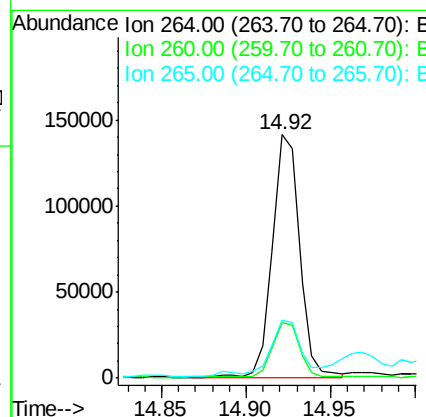
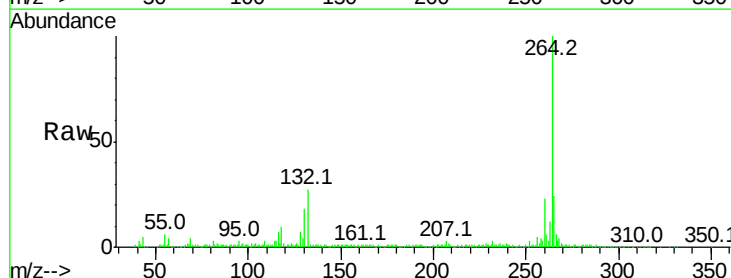
Manual Integrations
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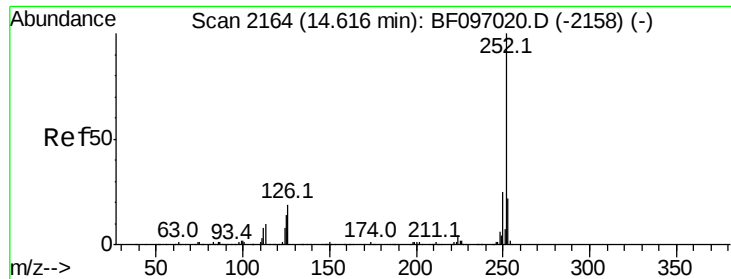
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.92 min Scan# 2216
 Delta R.T. -0.05 min
 Lab File: BF097292.D
 Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	23.7	17.2	25.8





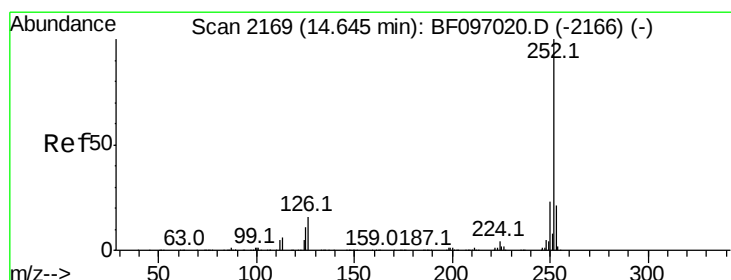
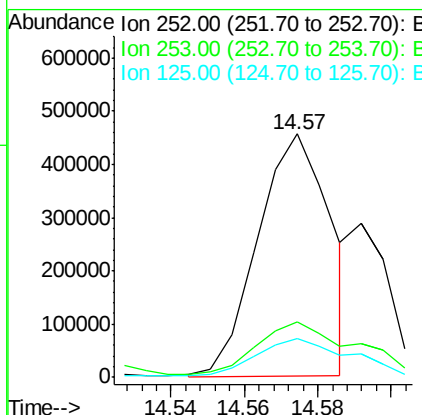
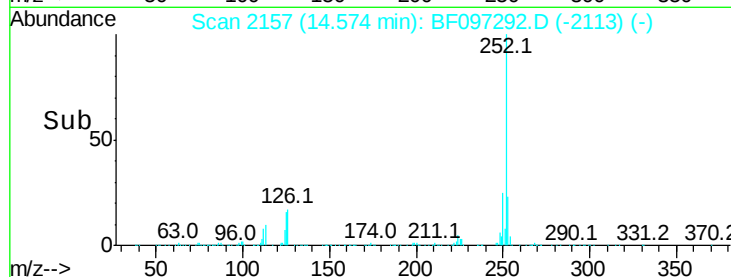
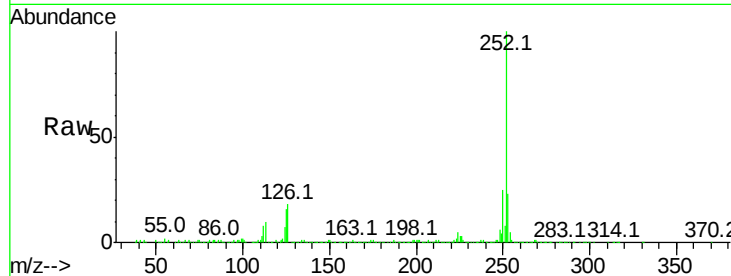
#87
Benzo(b)fluoranthene
Concen: 65.335 ng m
RT: 14.57 min Scan# 2157
Delta R.T. -0.04 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampleId :
72-12020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.0	9.8	14.8

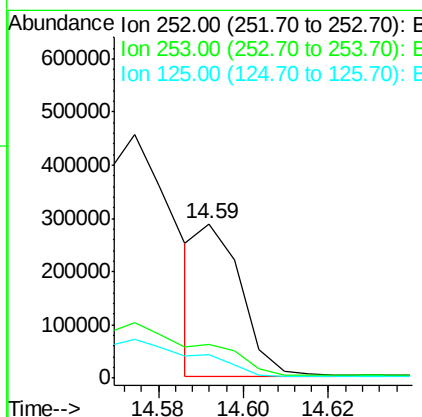
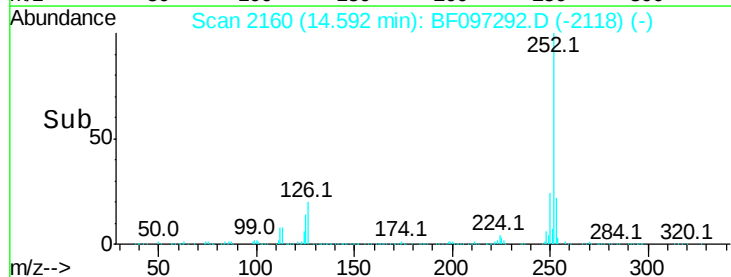
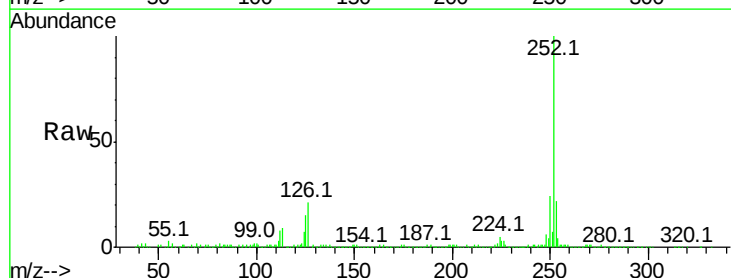
Manual Integrations
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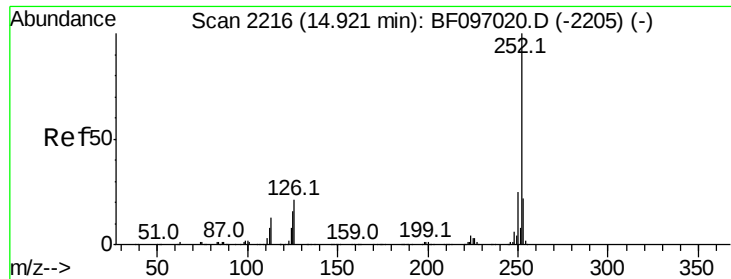
Sohil
8/3/2017 6:08:22 PM



#88
Benzo(k)fluoranthene
Concen: 21.975 ng m
RT: 14.59 min Scan# 2160
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.9	13.1	19.7





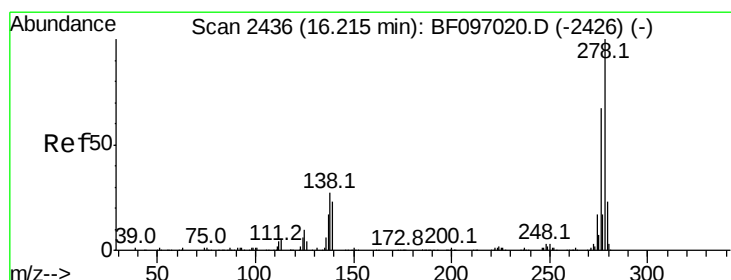
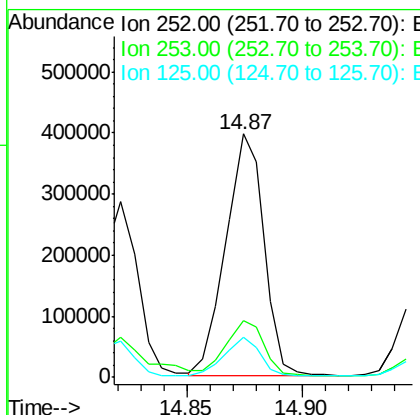
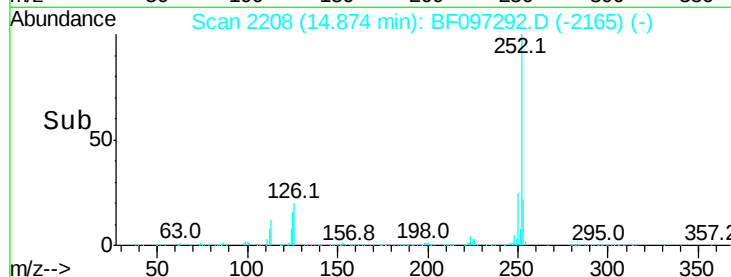
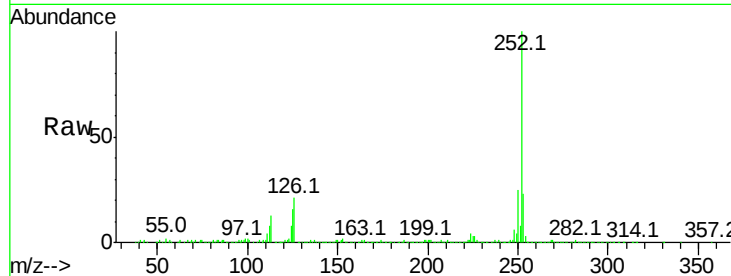
#89
Benzo(a)pyrene
Concen: 52.183 ng
RT: 14.87 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Instrument :
BNA_F
ClientSampled :
72-12020

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.5	26.3	
125	16.5	11.0	16.4	

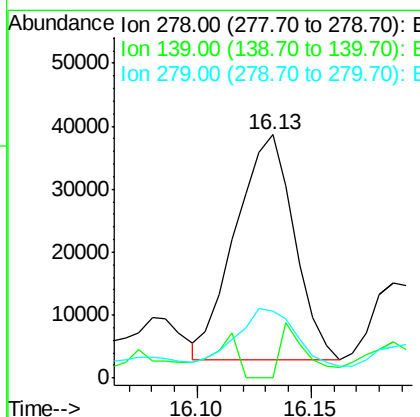
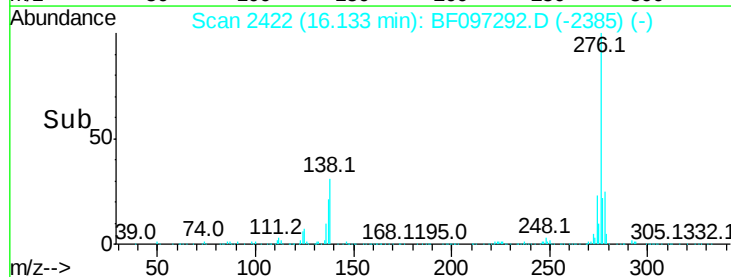
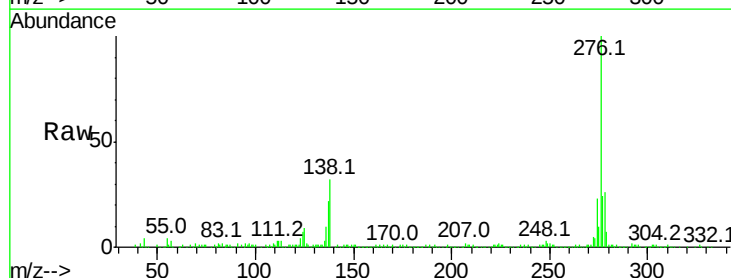
Manual Integrations
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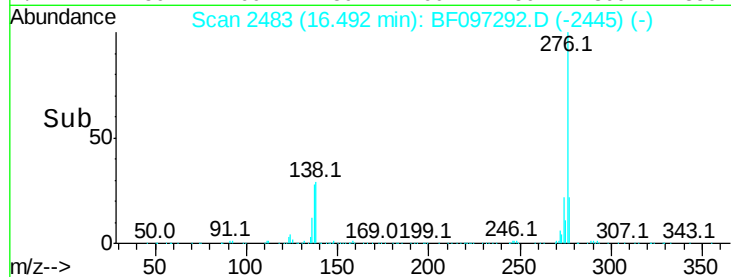
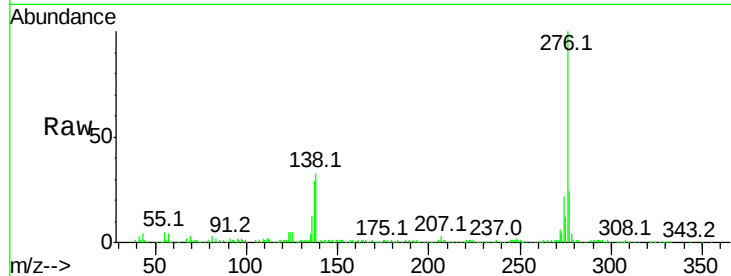
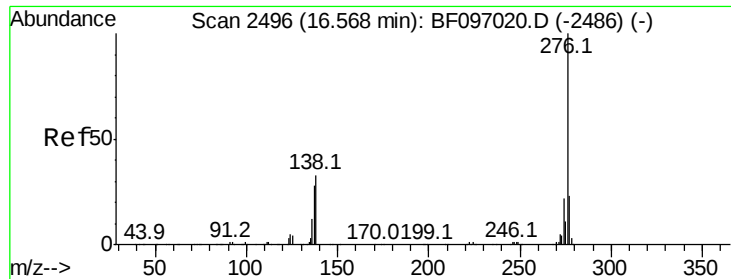
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 8.863 ng m
RT: 16.13 min Scan# 2422
Delta R.T. -0.08 min
Lab File: BF097292.D
Acq: 2 Aug 2017 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	0.0	16.6	24.8	
279	27.5	19.3	28.9	





#91

Benzo(a,h,i)perylene

Concen: 31.502 ng

RT: 16.49 min Scan# 2483

Delta R.T. -0.08 min

Lab File: BF097292.D

Acq: 2 Aug 2017 23:57

Instrument :

BNA_F

ClientSampleId :

72-12020

Tot Ion:	276	Resp:	237952
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	32.9	25.4	38.0

Manual Integrations
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