

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097291.D
 Acq On : 2 Aug 2017 23:30
 Operator : SJ/JU
 Sample : I4540-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11942

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:21 PM

Quant Time: Aug 03 01:06:39 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	127171	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	514465	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	208508	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	289775	20.00	ng	-0.05
75) Chrysene-d12	13.58	240	206593	20.00	ng	-0.05
86) Perylene-d12	14.92	264	151916	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	555160	65.81	ng	-0.05
7) Phenol-d6	6.13	99	710013	73.72	ng	-0.04
23) Nitrobenzene-d5	7.02	82	388782	44.33	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	98802	59.97	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	637593	51.90	ng	-0.06
78) Terphenyl-d14	12.53	244	351220	34.66	ng	-0.05
Target Compounds				Qvalue		
49) Dimethylphthalate	9.21	163	129143	8.156	ng	99
51) Acenaphthene	9.51	154	41443	3.498	ng	96
57) Fluorene	10.02	166	52800	4.451	ng	99
70) Phenanthrene	10.97	178	646144	41.616	ng	99
71) Anthracene	11.03	178	211000	13.269	ng	99
74) Fluoranthene	12.16	202	788293	51.826	ng	98
77) Pyrene	12.39	202	812528	48.041	ng	99
80) Benzo(a)anthracene	13.57	228	422185	31.583	ng	98
82) Chrysene	13.60	228	371065	28.428	ng	97
85) Indeno(1,2,3-cd)pyrene	16.13	276	116770	10.433	ng	99
87) Benzo(b)fluoranthene	14.57	252	353052m	38.661	ng	
88) Benzo(k)fluoranthene	14.59	252	97381m	11.191	ng	
89) Benzo(a)pyrene	14.87	252	238423	28.527	ng	# 95
90) Dibenzo(a,h)anthracene	16.13	278	34543	5.040	ng	# 86
91) Benzo(a,h,i)perylene	16.49	276	123875	17.235	ng	93

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

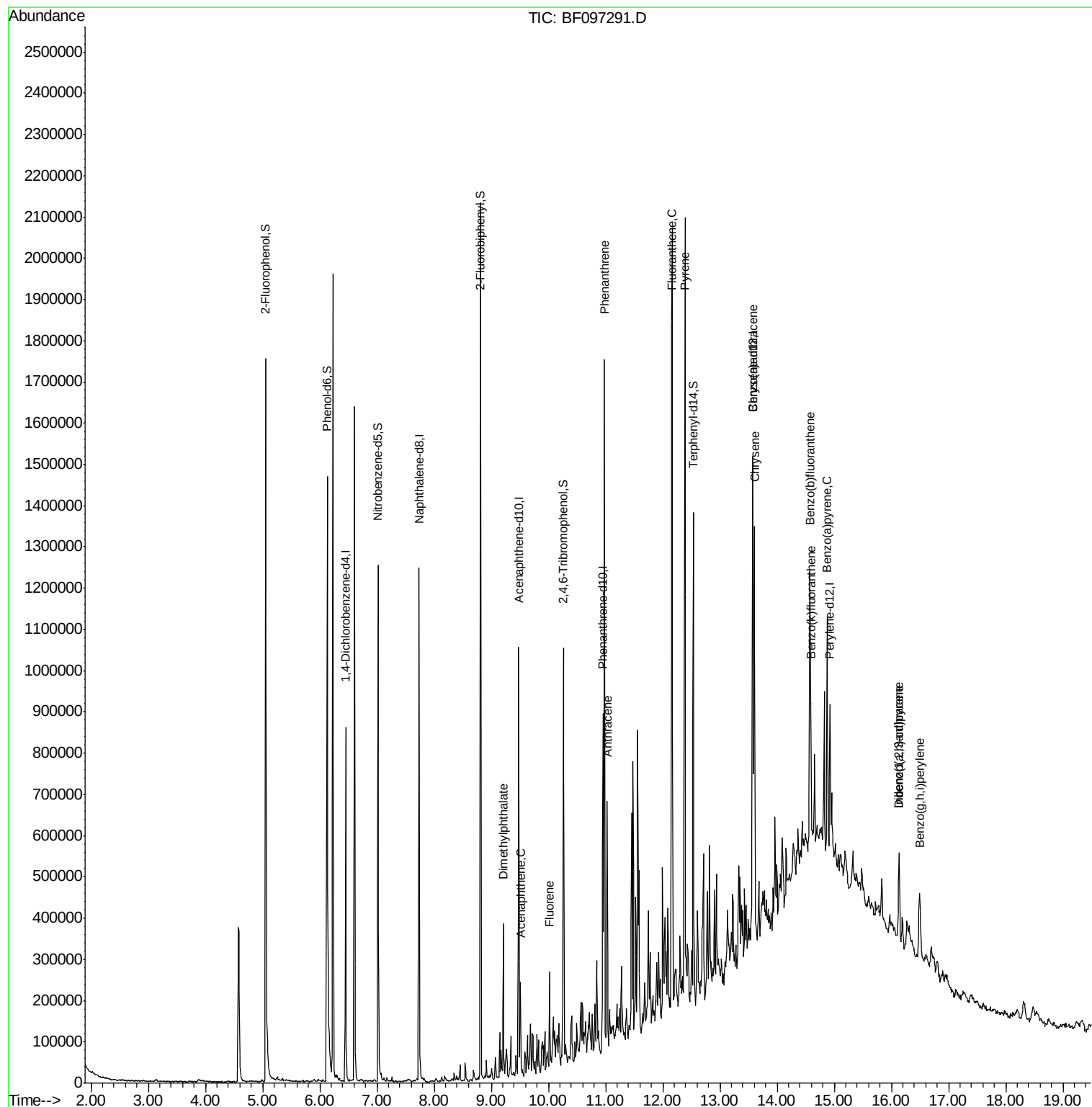
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097291.D
Acq On : 2 Aug 2017 23:30
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Sample : I4540-13
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ALS Vial : 22 Sample Multiplier: 1

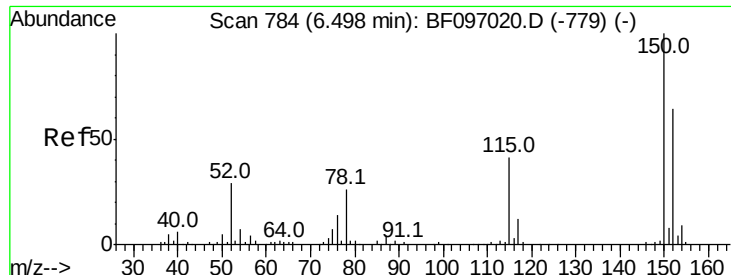
Instrument :
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Quant Time: Aug 03 01:06:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

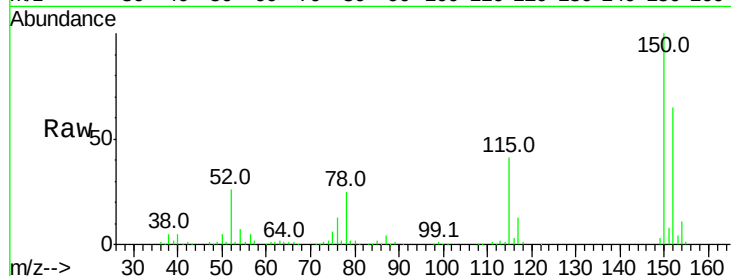
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Instrument :
BNA_F
ClientSampleId :
72-11942

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	63.5	52.2	78.2

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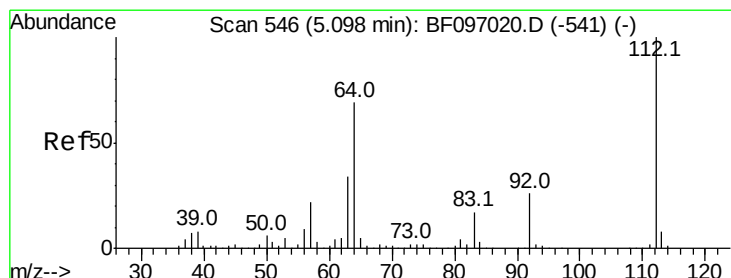
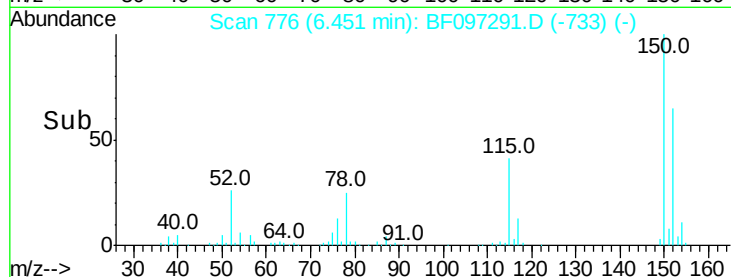
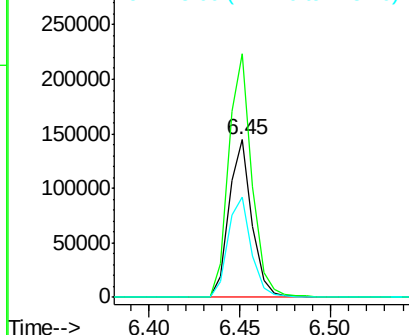


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

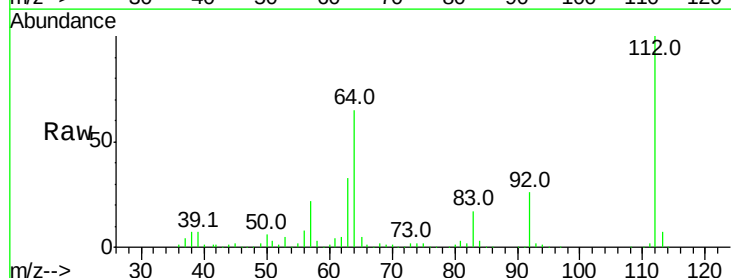
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.809 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	46.0	69.0
63	33.5	23.4	35.0

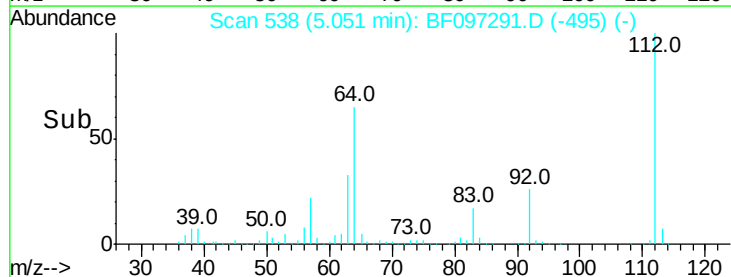
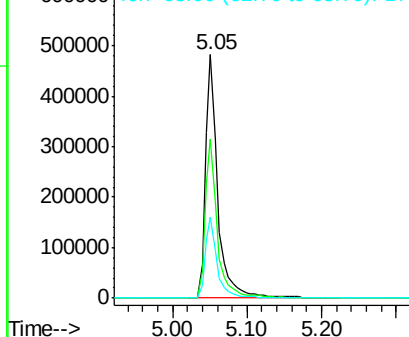


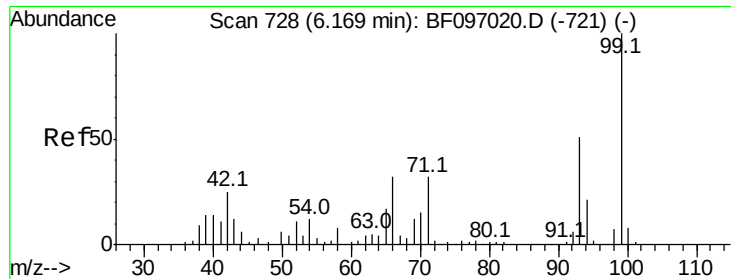
Abundance

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: 73.724 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

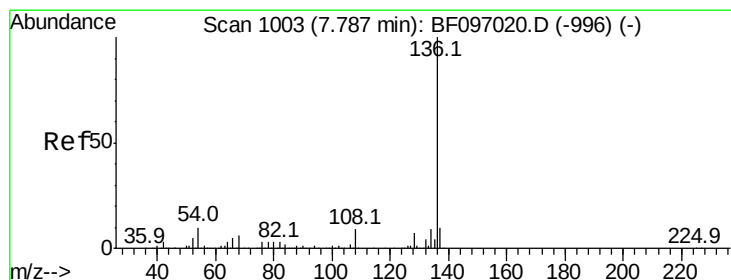
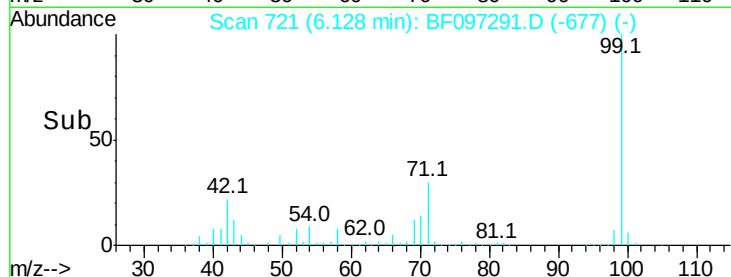
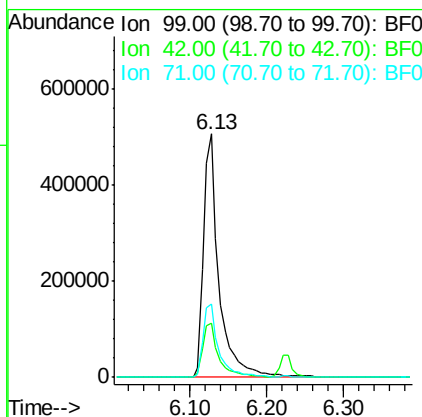
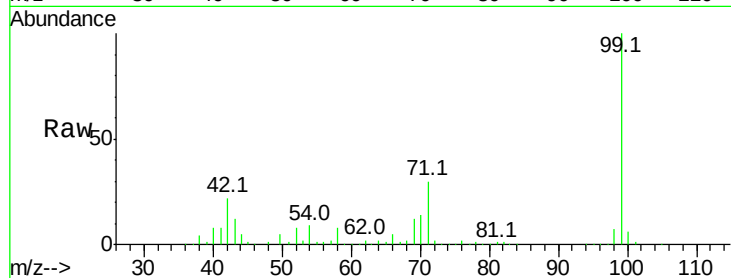
ClientSampleId :

72-11942

Tot Ion:	99	Resp:	710013
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.5	20.3#
71	30.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

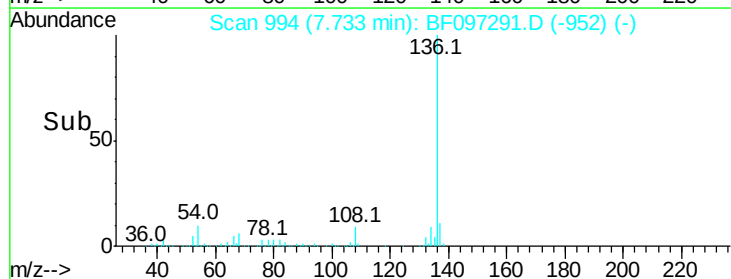
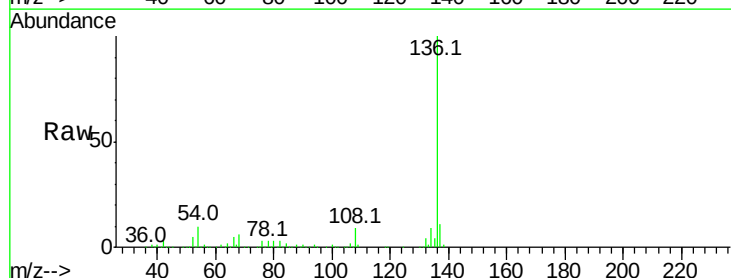
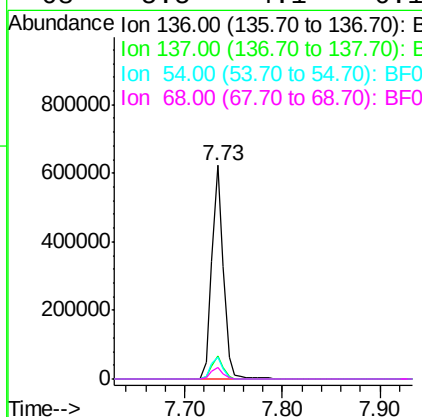
RT: 7.73 min Scan# 994

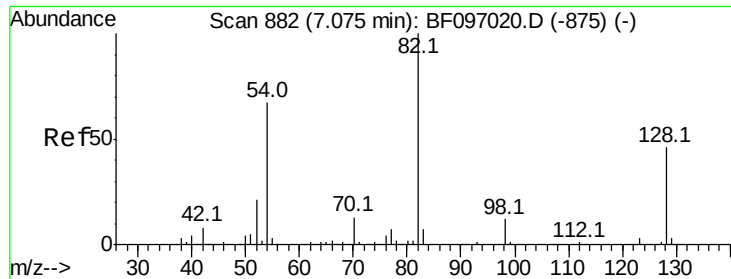
Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:	136	Resp:	514465
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	10.3	4.9	7.3#
68	5.5	4.1	6.1





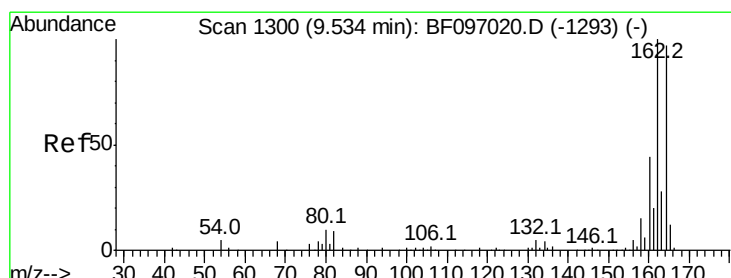
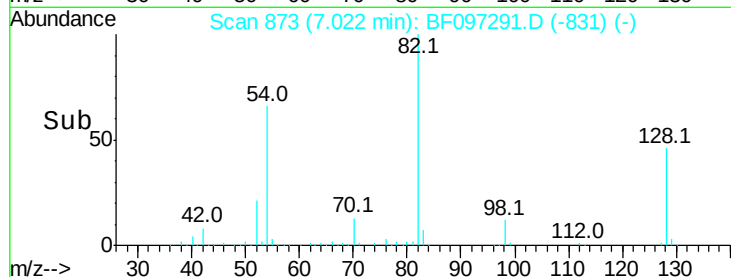
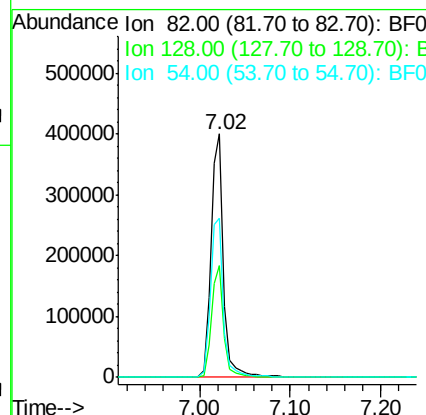
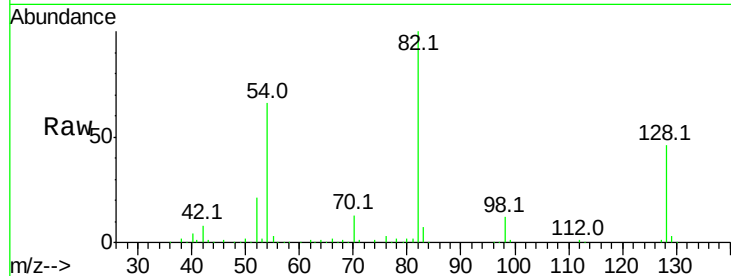
#23
 Nitrobenzene-d5
 Concen: 44.332 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF097291.D
 Acq: 2 Aug 2017 23:30

Instrument :
 BNA_F
 ClientSampleId :
 72-11942

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	65.6	42.2	63.2#

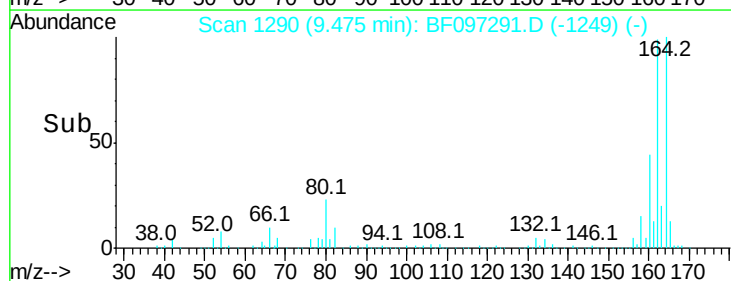
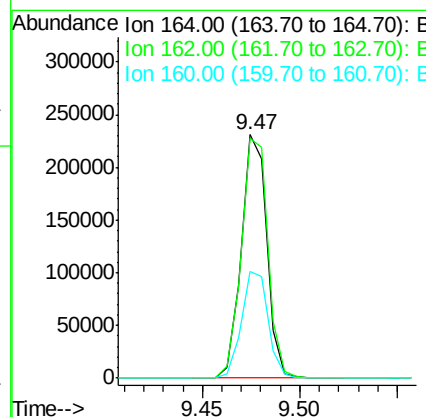
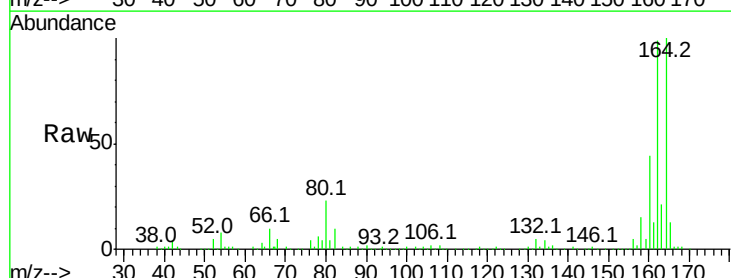
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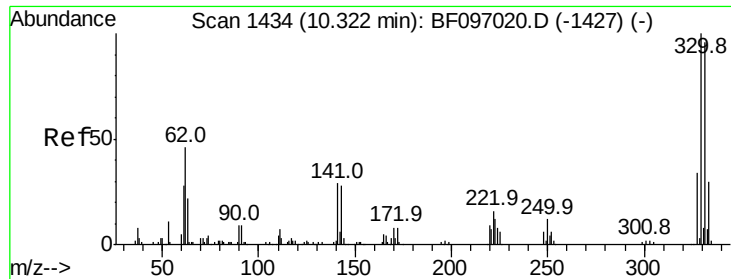
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097291.D
 Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	82.6	123.8
160	44.0	36.2	54.2





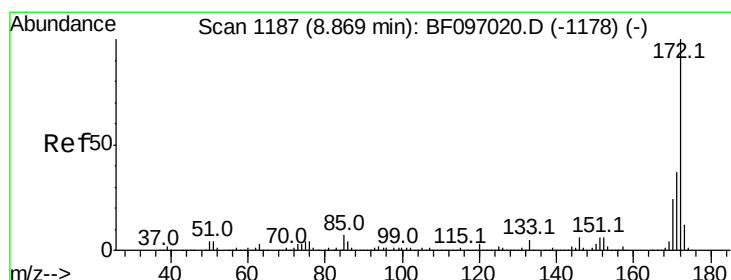
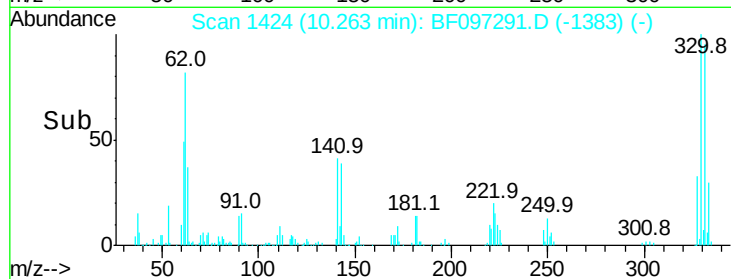
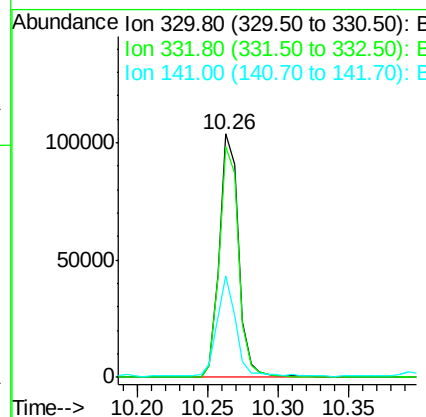
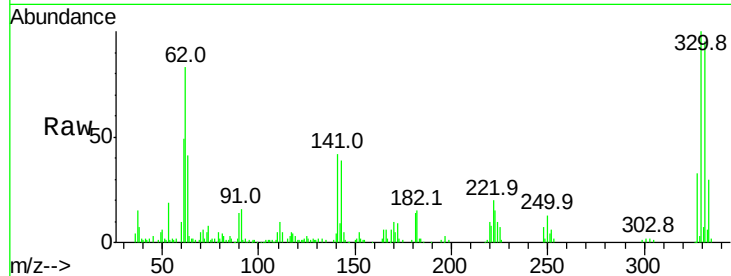
#41
 2,4,6-Tribromophenol
 Concen: 59.974 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097291.D
 Acq: 2 Aug 2017 23:30

Instrument :
 BNA_F
 ClientSampled :
 72-11942

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.6	115.0	
141	41.3	31.4	47.2	

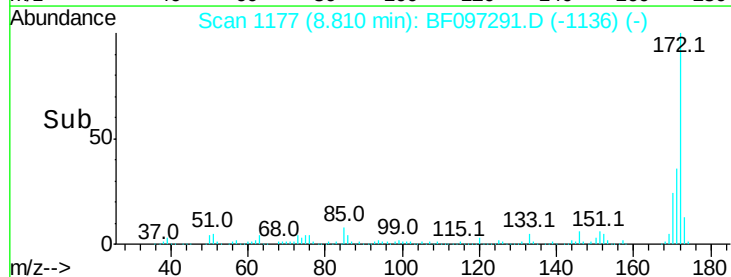
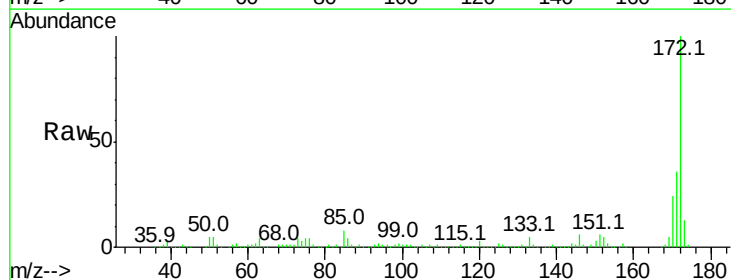
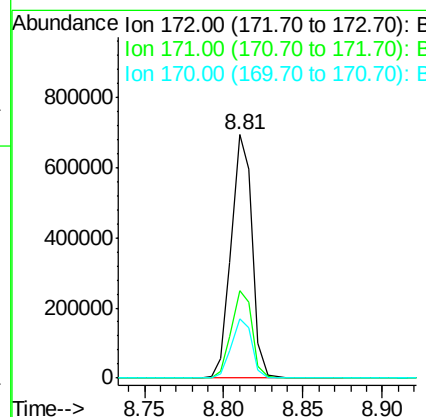
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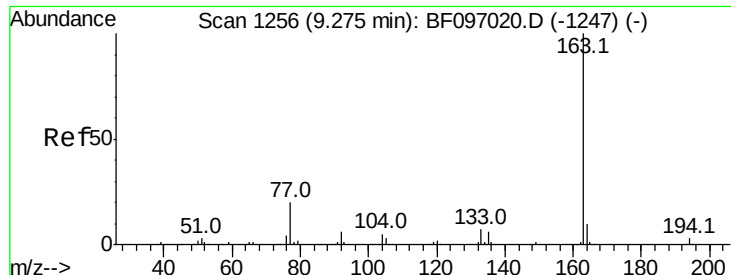
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#44
 2-Fluorobiphenyl
 Concen: 51.895 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097291.D
 Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	24.2	19.8	29.8	





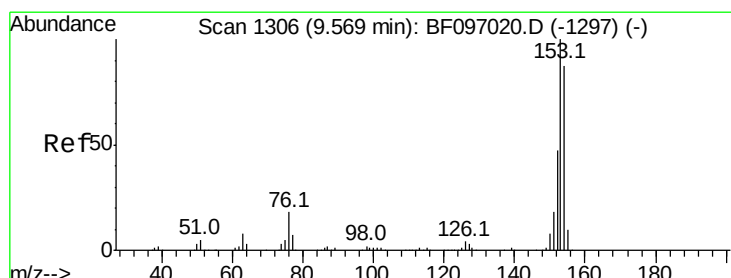
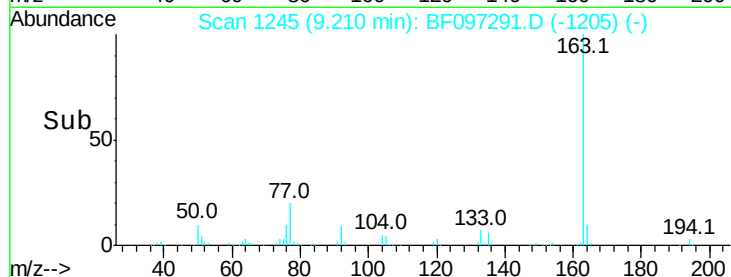
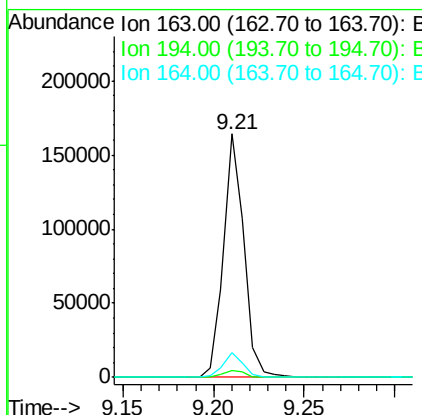
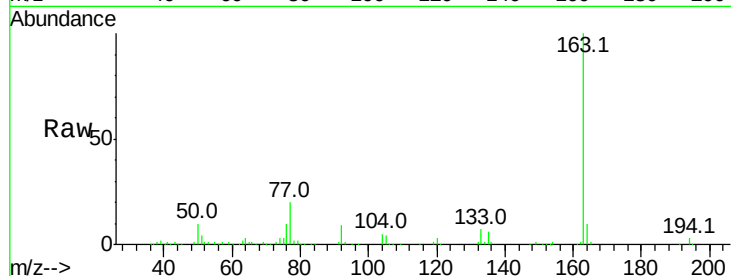
#49
Dimethylphthalate
Concen: 8.156 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Instrument :
BNA_F
ClientSampleId :
72-11942

Tot Ion	Ratio	Resp	Lower	Upper
163	100	129143		
194	3.1	2.6	4.0	
164	10.2	8.4	12.6	

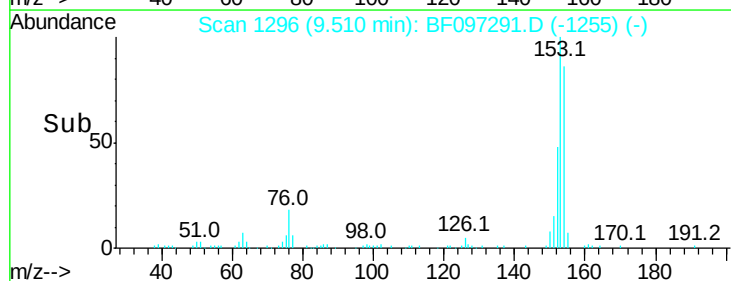
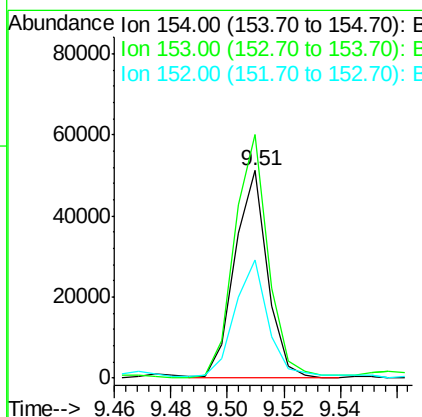
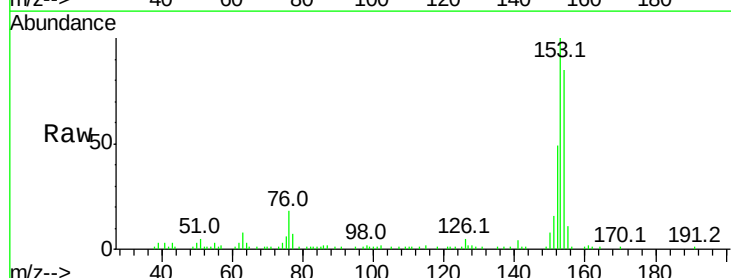
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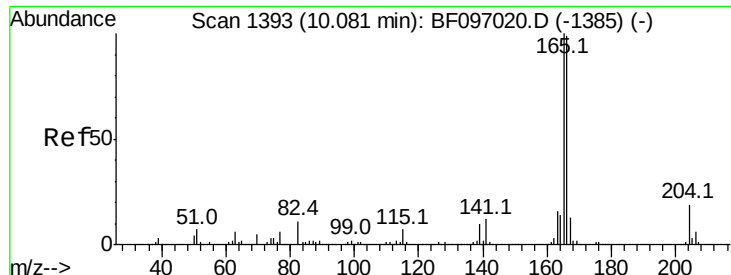
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#51
Acenaphthene
Concen: 3.498 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	41443		
153	117.2	90.5	135.7	
152	57.2	43.6	65.4	





#57

Fluorene

Concen: 4.451 ng

RT: 10.02 min Scan# 1383

Delta R.T. -0.06 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

72-11942

Tot Ion:166 Resp: 52800

Ion Ratio Lower Upper

166 100

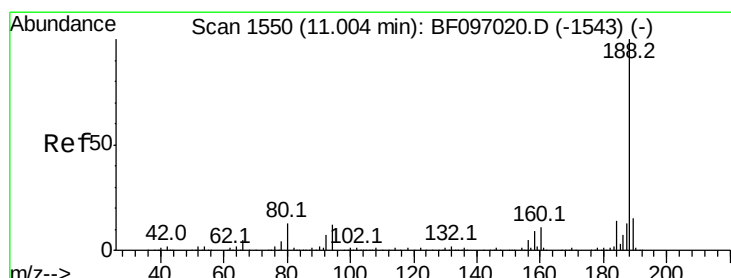
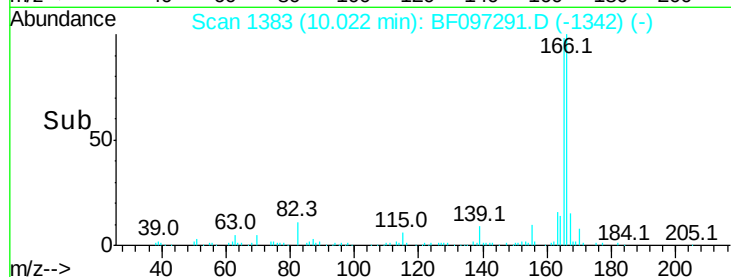
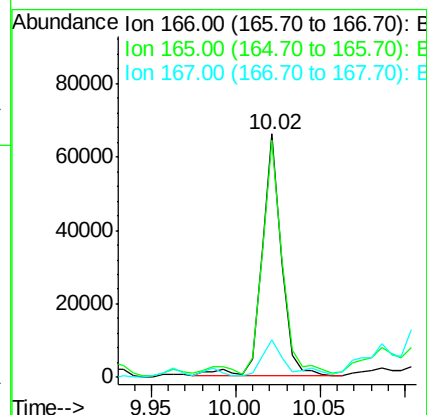
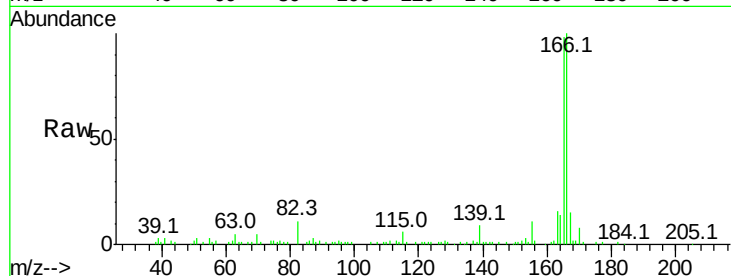
165 97.5 78.8 118.2

167 15.3 10.6 16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.95 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

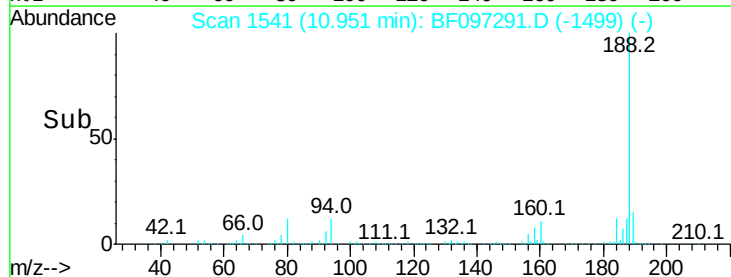
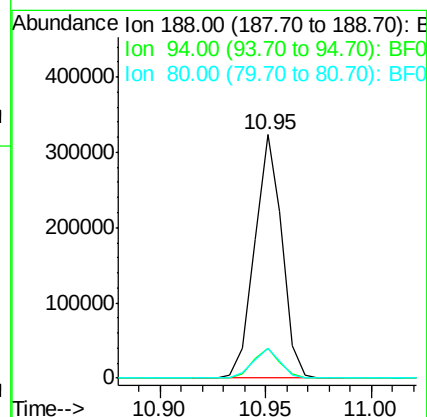
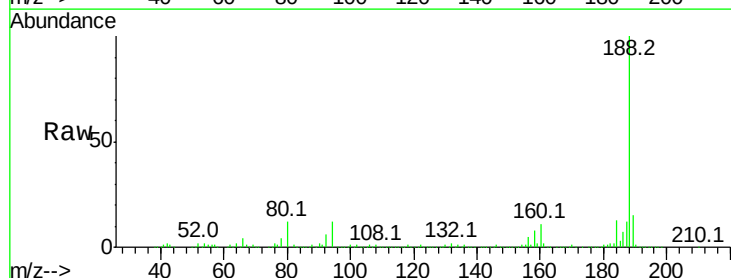
Tgt Ion:188 Resp: 289775

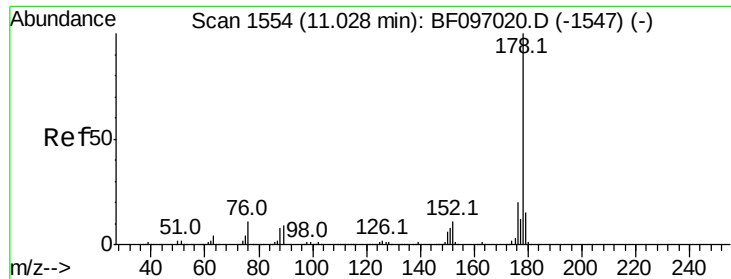
Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

80 12.3 10.2 15.2





#70

Phenanthrene

Concen: 41.616 ng

RT: 10.97 min Scan# 1545

Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

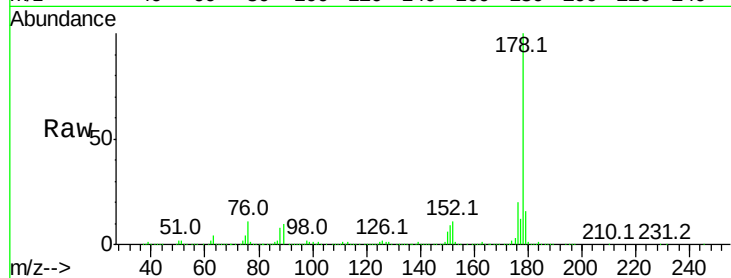
ClientSampleId :

72-11942

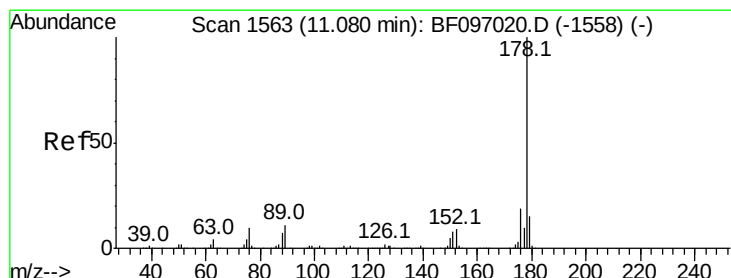
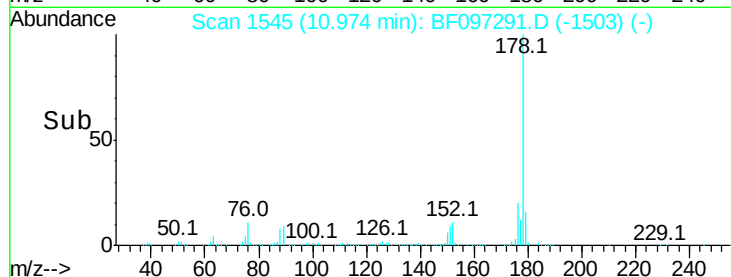
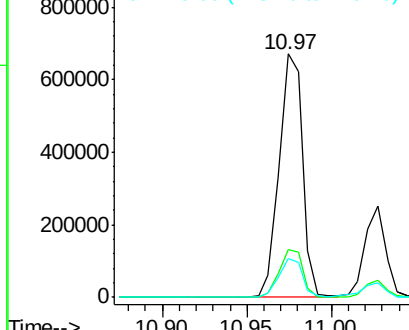
Tot Ion:178	Resp:	646144
Ion Ratio	Lower	Upper
178	100	
176	19.5	16.2 24.4
179	15.7	12.6 19.0

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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



#71

Anthracene

Concen: 13.269 ng

RT: 11.03 min Scan# 1554

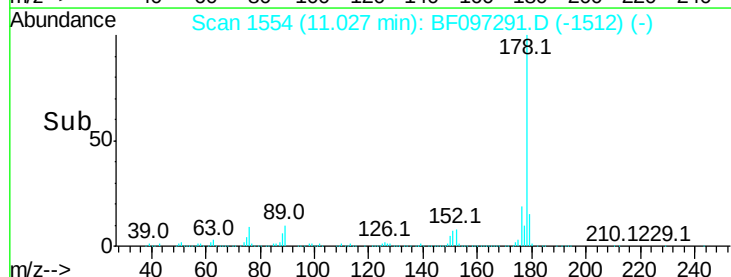
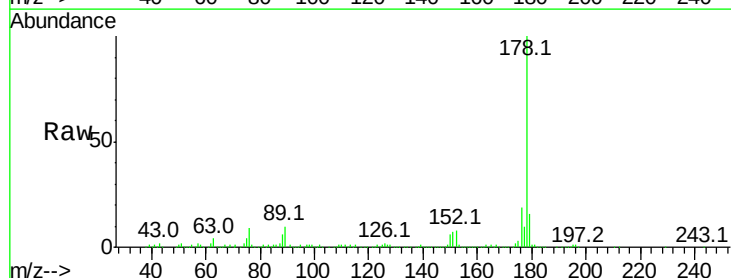
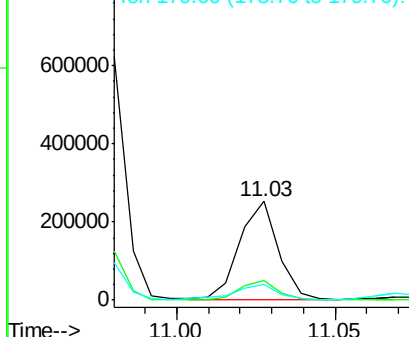
Delta R.T. -0.05 min

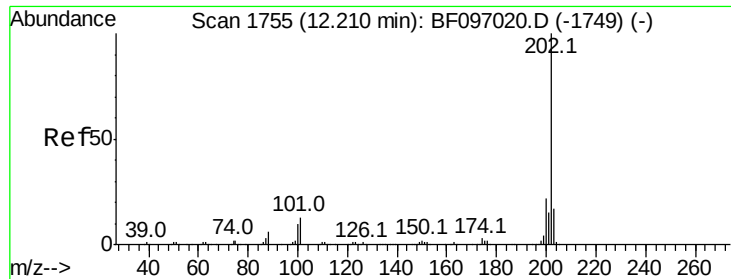
Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:178	Resp:	211000
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.8 23.8
179	15.6	12.7 19.1

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





#74

Fluoranthene

Concen: 51.826 ng

RT: 12.16 min Scan# 1747

Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

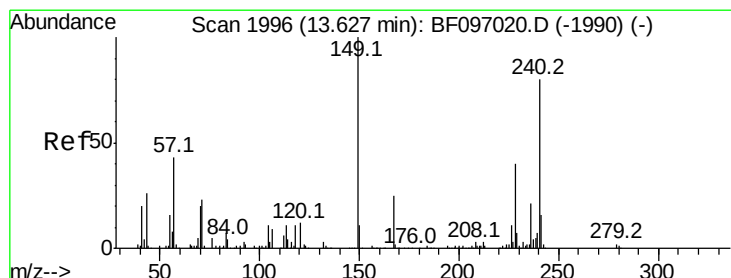
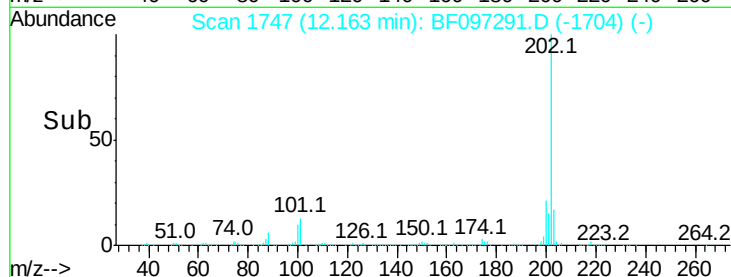
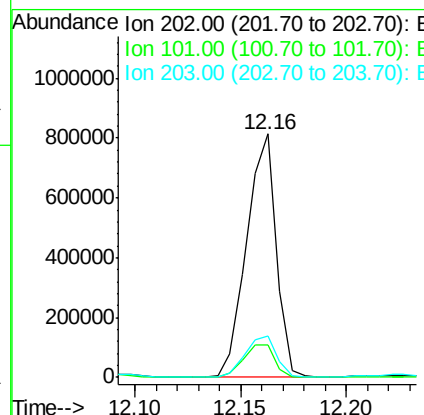
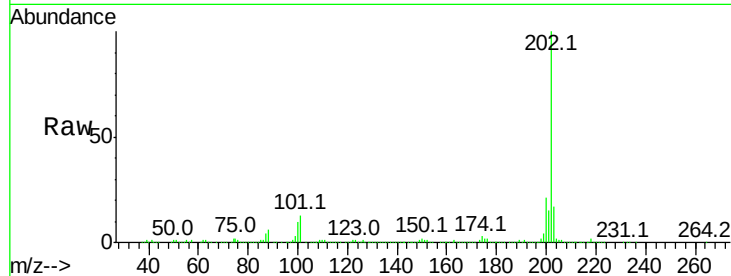
ClientSampled :

72-11942

Tot Ion:	202	Resp:	788293
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

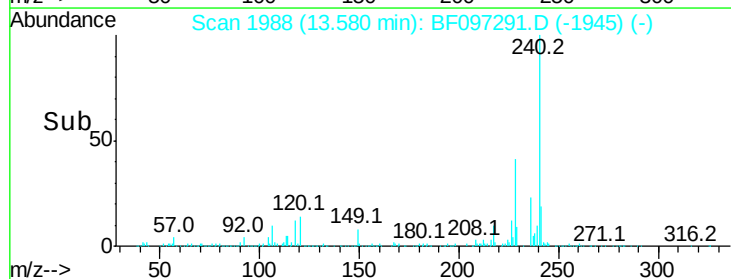
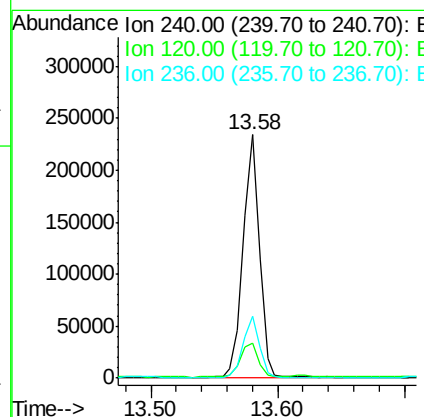
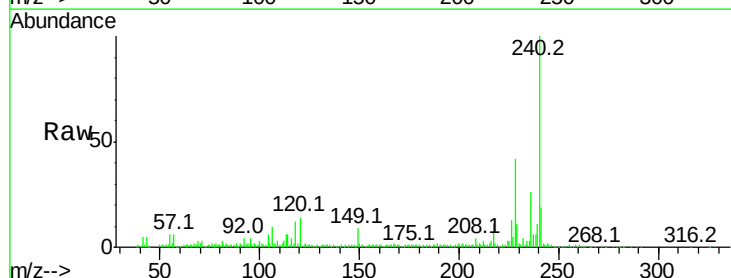
RT: 13.58 min Scan# 1988

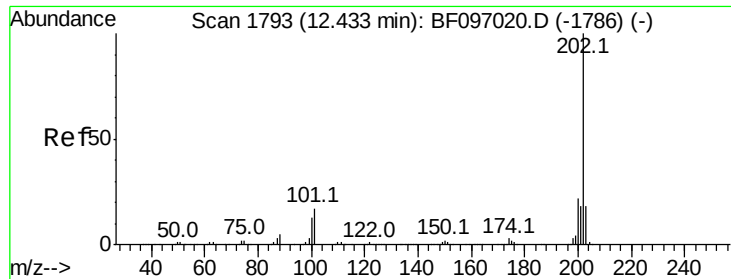
Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:	240	Resp:	206593
Ion Ratio	Lower	Upper	
240	100		
120	14.4	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 48.041 ng

RT: 12.39 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

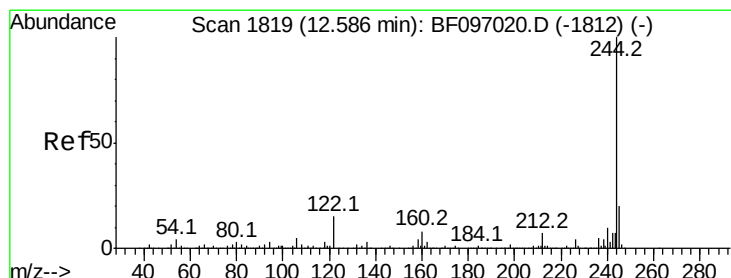
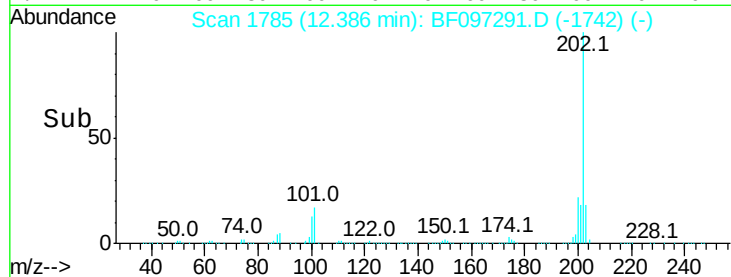
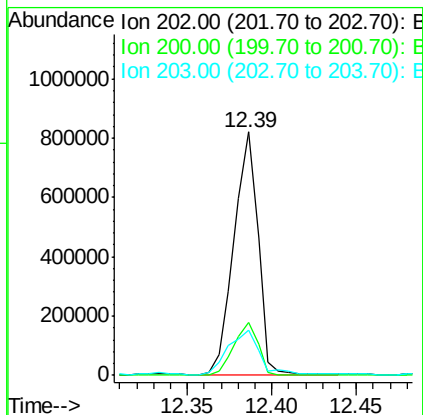
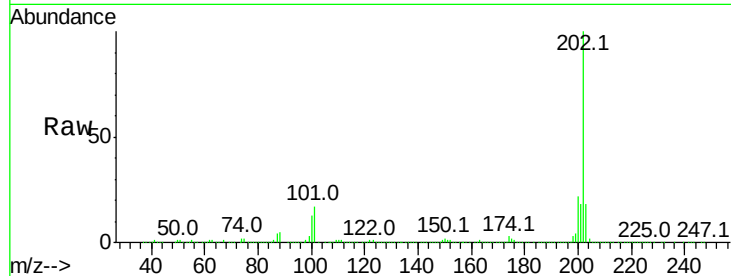
ClientSampled :

72-11942

Tot Ion:	202	Resp:	812528
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	18.3	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 34.662 ng

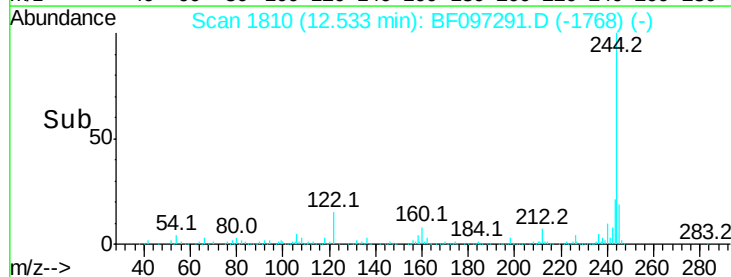
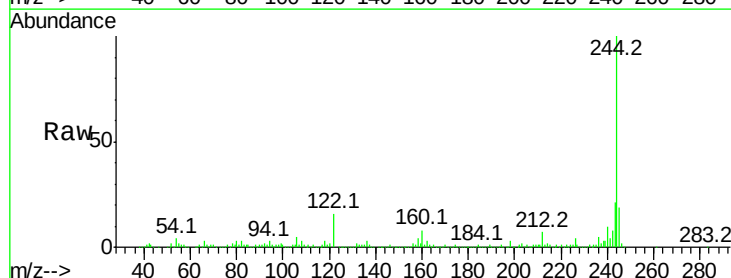
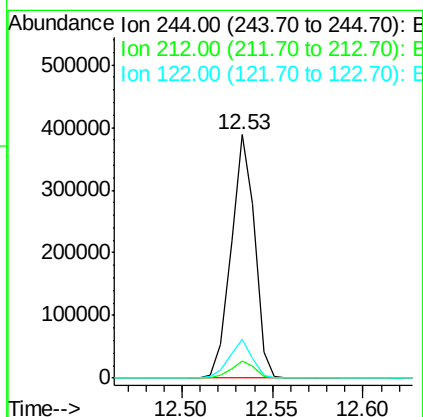
RT: 12.53 min Scan# 1810

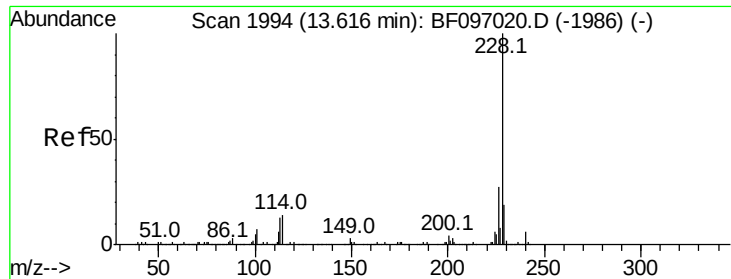
Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:	244	Resp:	351220
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	15.7	10.3	15.5#





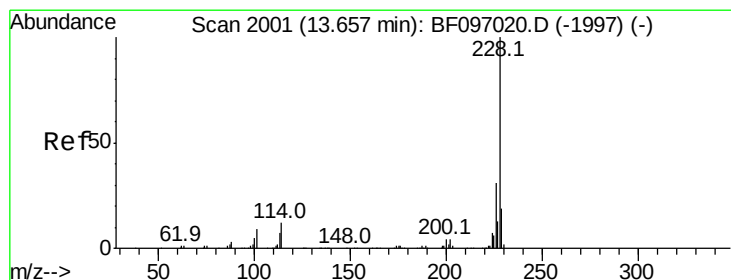
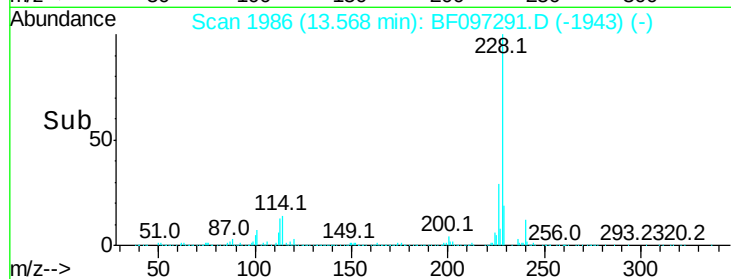
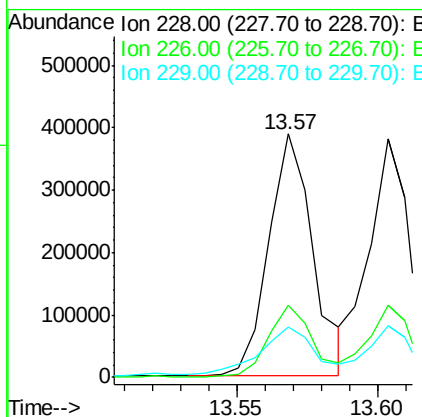
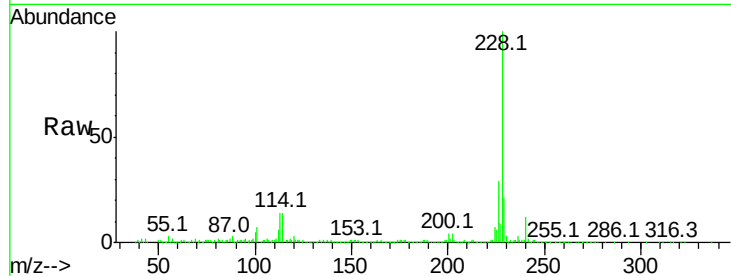
#80
Benzo(a)anthracene
Concen: 31.583 ng
RT: 13.57 min Scan# 1986
Delta R.T. -0.05 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Instrument :
BNA_F
ClientSampled :
72-11942

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.6	16.3	24.5

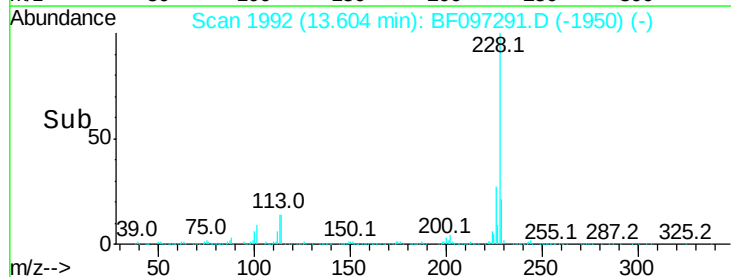
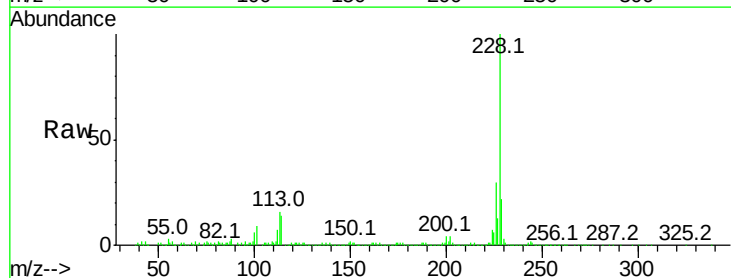
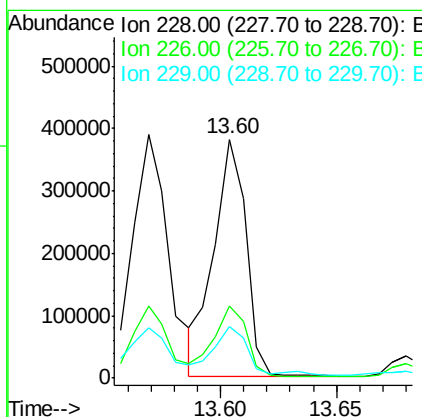
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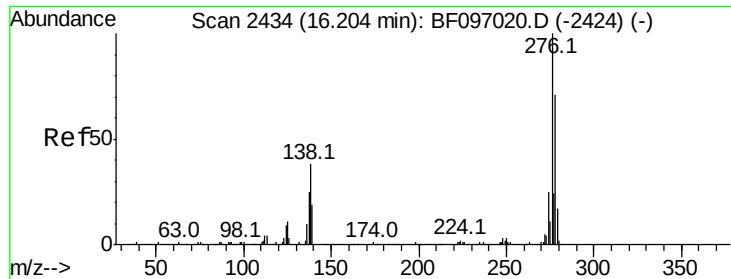
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#82
Chrysene
Concen: 28.428 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.05 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.7	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.433 ng

RT: 16.13 min Scan# 2422

Delta R.T. -0.07 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

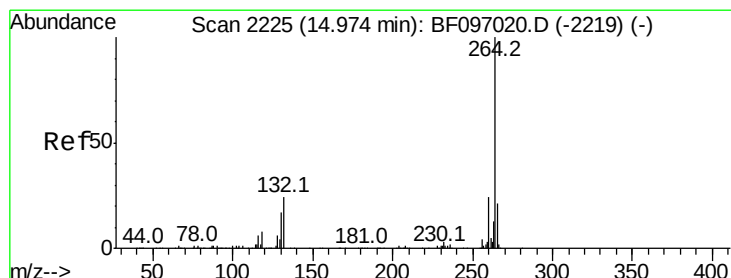
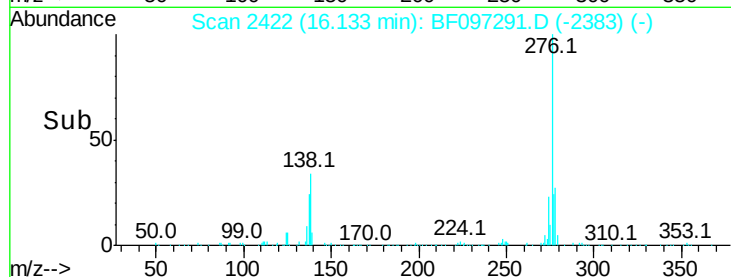
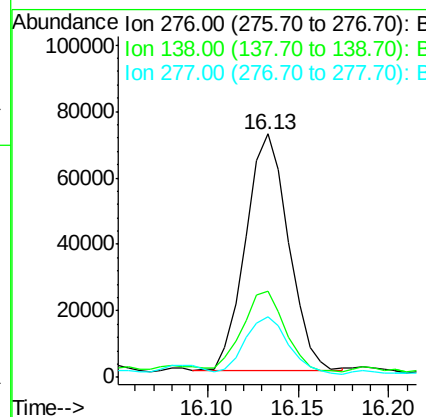
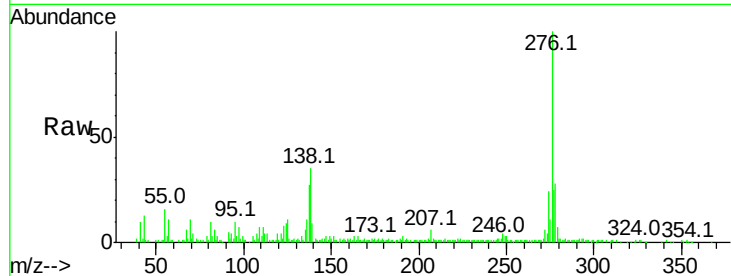
ClientSampleId :

72-11942

Tot Ion:	276	Resp:	116770
Ion Ratio	Lower	Upper	
276	100		
138	34.5	27.8	41.6
277	24.6	20.2	30.4

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#86

Perylene-d12

Concen: 20.000 ng

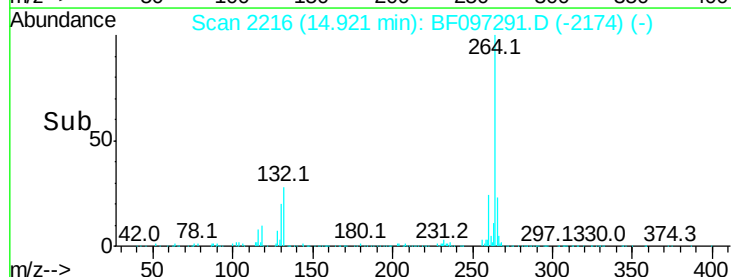
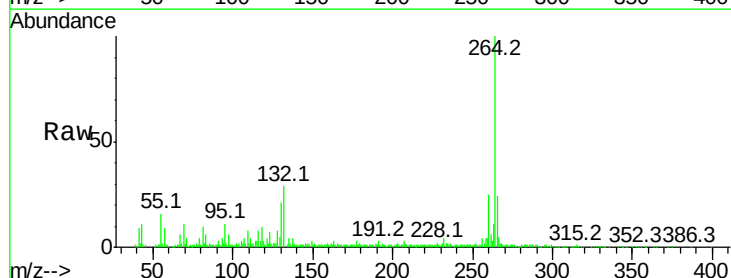
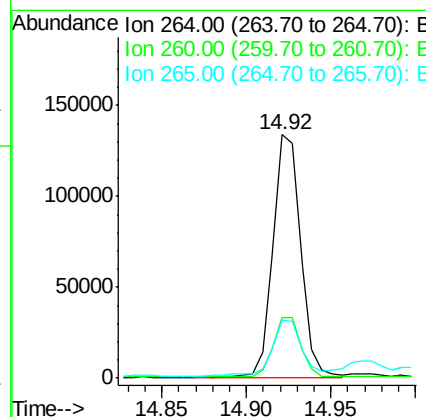
RT: 14.92 min Scan# 2216

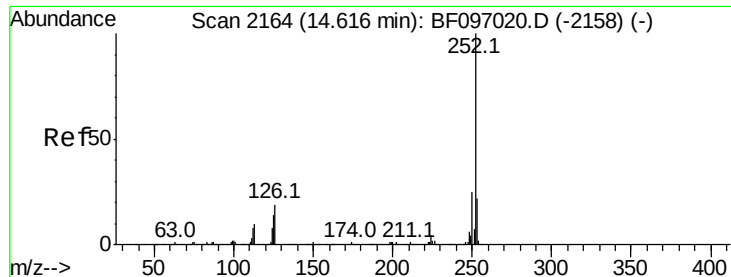
Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:	264	Resp:	151916
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	23.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 38.661 ng m

RT: 14.57 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

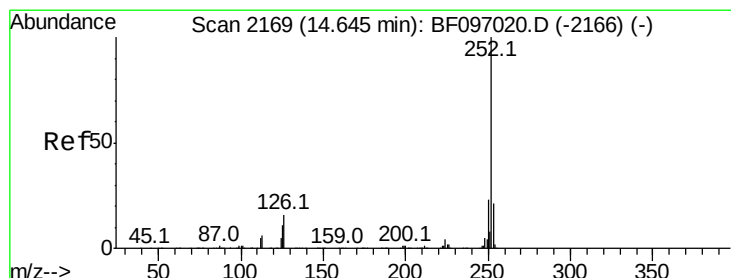
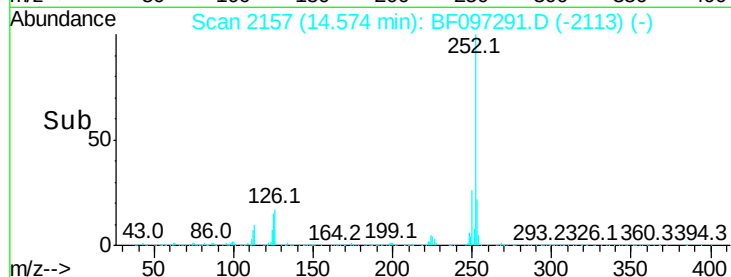
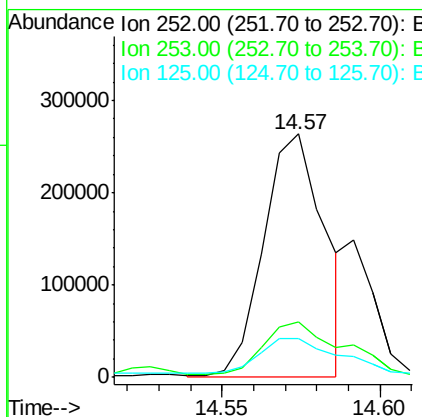
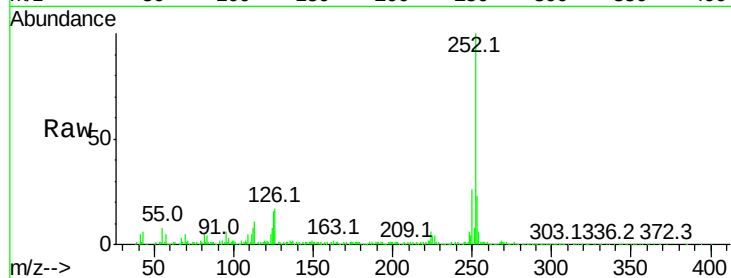
ClientSampleId :

72-11942

Tot Ion:	252	Resp:	353052
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	15.9	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 11.191 ng m

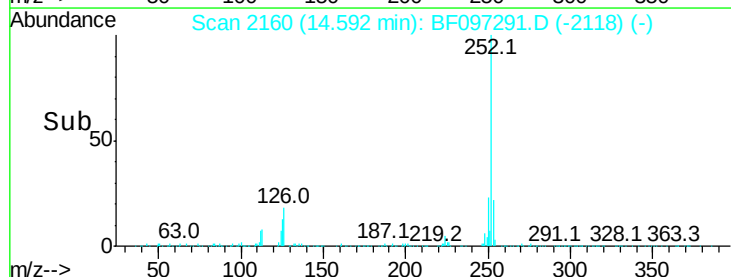
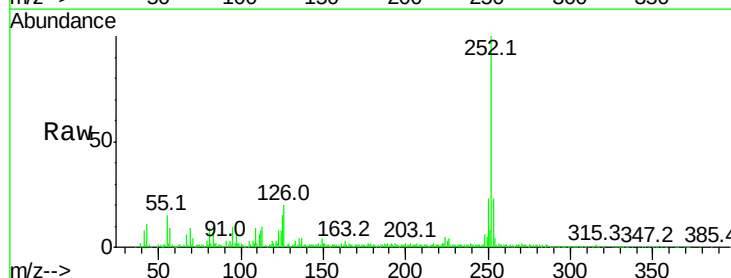
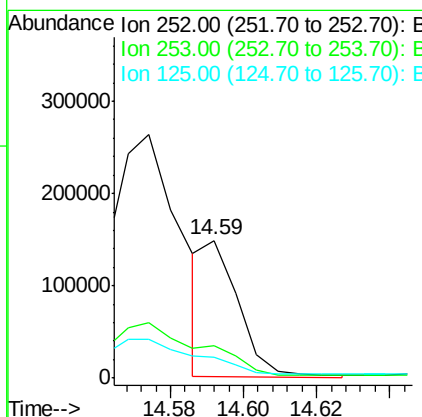
RT: 14.59 min Scan# 2160

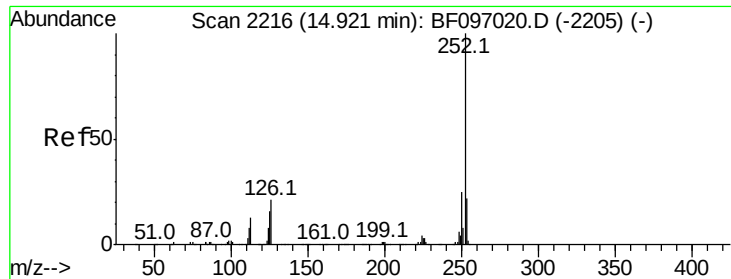
Delta R.T. -0.05 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Tgt Ion:	252	Resp:	97381
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	15.5	13.1	19.7





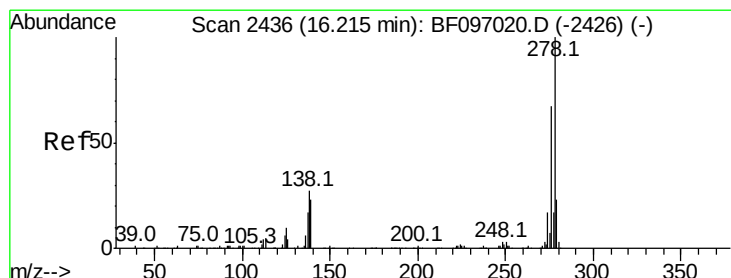
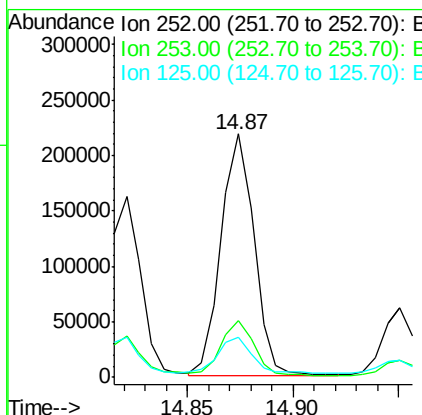
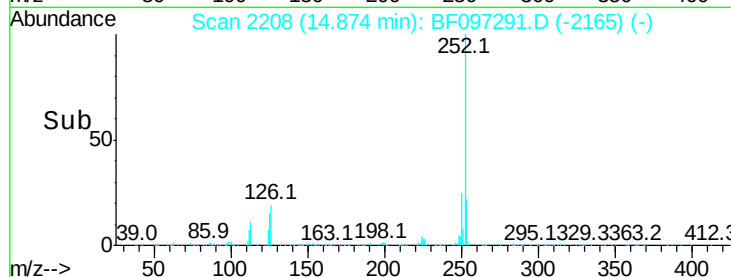
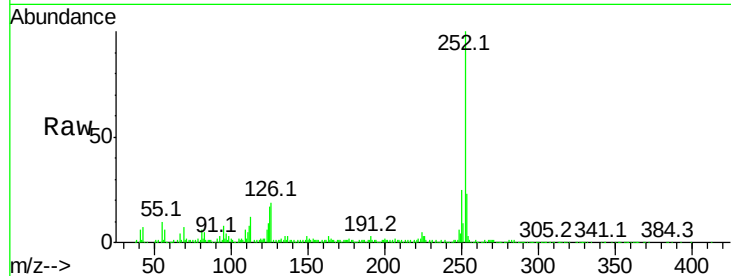
#89
Benzo(a)pyrene
Concen: 28.527 ng
RT: 14.87 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Instrument :
BNA_F
ClientSampled :
72-11942

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.5	26.3
125	16.5	11.0	16.4

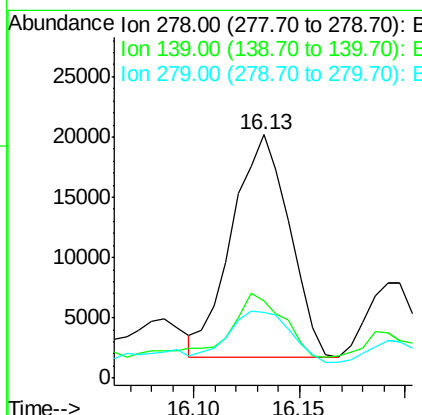
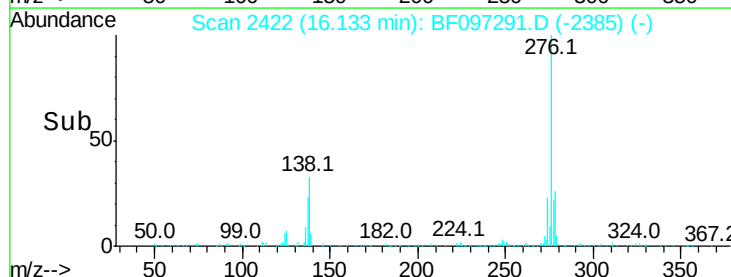
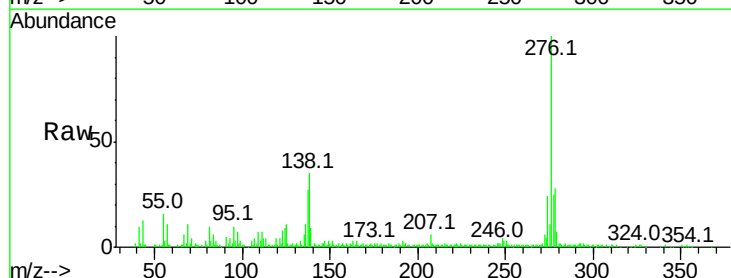
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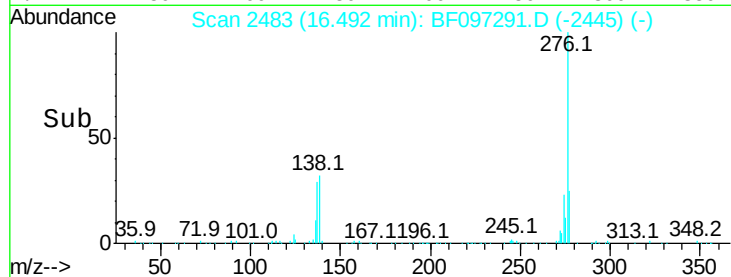
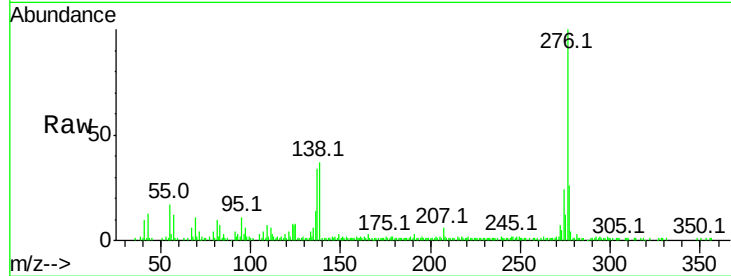
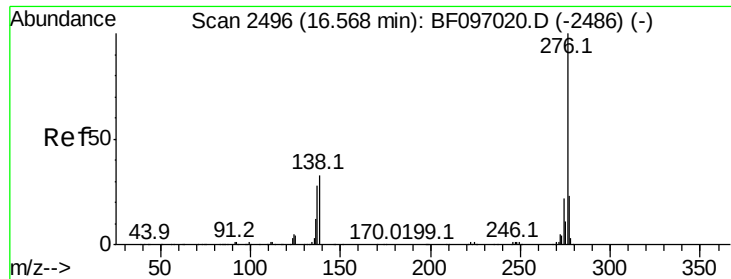
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#90
Dibenzo(a,h)anthracene
Concen: 5.040 ng
RT: 16.13 min Scan# 2422
Delta R.T. -0.08 min
Lab File: BF097291.D
Acq: 2 Aug 2017 23:30

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	31.5	16.6	24.8
279	27.2	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 17.235 ng

RT: 16.49 min Scan# 2483

Delta R.T. -0.08 min

Lab File: BF097291.D

Acq: 2 Aug 2017 23:30

Instrument :

BNA_F

ClientSampleId :

72-11942

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	36.7	25.4	38.0

Manual Integrations
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