

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097273.D
 Acq On : 2 Aug 2017 15:10
 Operator : SJ/JU
 Sample : I4497-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4

Manual Integrations
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Quant Time: Aug 02 17:03:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 11:39:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	114055	20.00	ng	-0.01
21) Naphthalene-d8	7.73	136	474920	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	207665	20.00	ng	-0.02
63) Phenanthrene-d10	10.95	188	359561	20.00	ng	-0.02
75) Chrysene-d12	13.57	240	309520	20.00	ng	-0.02
86) Perylene-d12	14.91	264	205495	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	741459	98.00	ng	0.00
7) Phenol-d6	6.12	99	911419	105.52	ng	-0.02
23) Nitrobenzene-d5	7.02	82	537519	66.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.26	330	182636	111.31	ng	-0.02
44) 2-Fluorobiphenyl	8.81	172	841593	68.78	ng	-0.02
78) Terphenyl-d14	12.53	244	696456	45.88	ng	-0.02
Target Compounds						
10) Phenol	6.13	94	39192	3.825	ng	98
49) Dimethylphthalate	9.21	163	313289	19.866	ng	99
70) Phenanthrene	10.97	178	57672	2.994	ng	96
74) Fluoranthene	12.15	202	175636	9.306	ng	98
77) Pyrene	12.37	202	160591	6.338	ng	98
80) Benzo(a)anthracene	13.56	228	93580	4.673	ng	99
82) Chrysene	13.60	228	83413	4.265	ng	99
87) Benzo(b)fluoranthene	14.56	252	73171m	5.923	ng	
88) Benzo(k)fluoranthene	14.58	252	26917m	2.287	ng	
89) Benzo(a)pyrene	14.86	252	52782	4.669	ng	99
91) Benzo(g,h,i)perylene	16.47	276	22315	2.295	ng	100

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

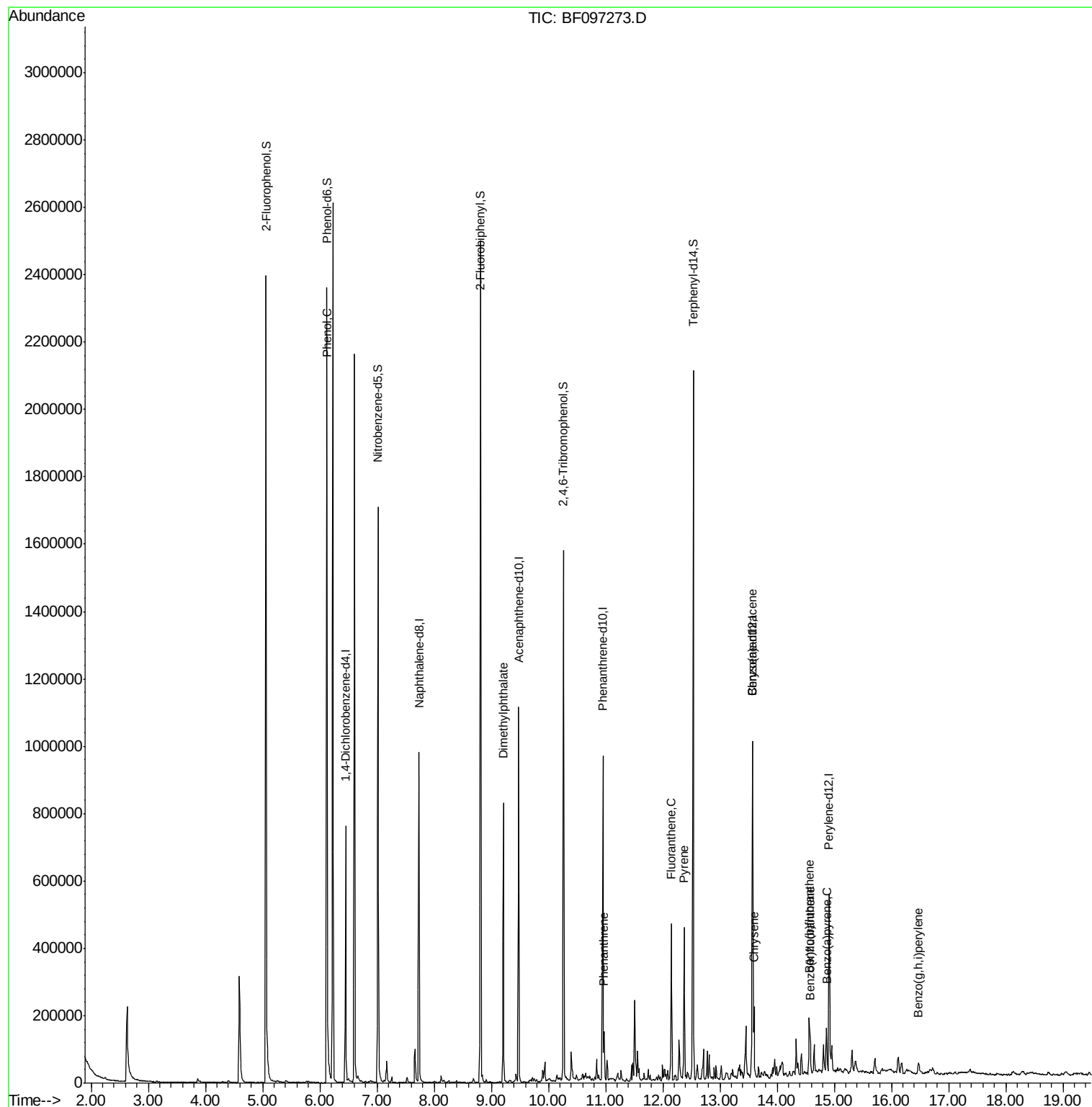
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4497-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

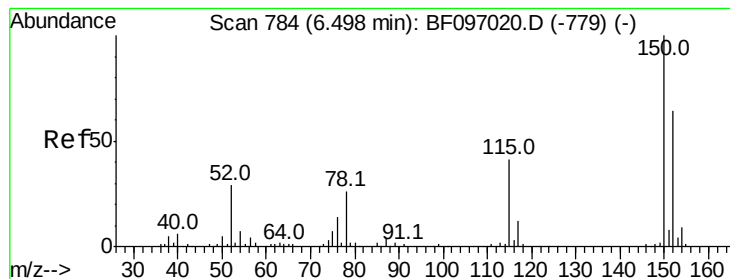
Instrument :
BNA_F
ClientSampleId :
TP-3-4

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#1

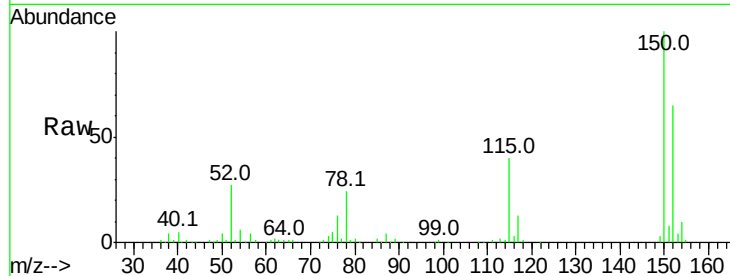
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampled :
TP-3-4

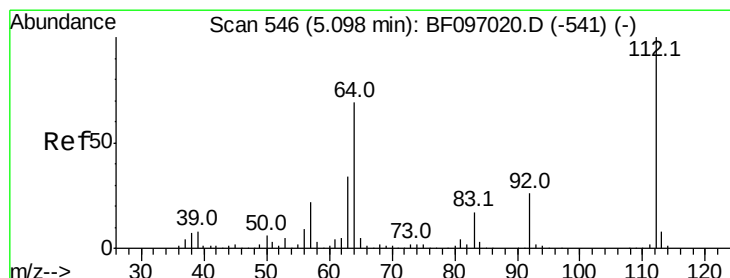
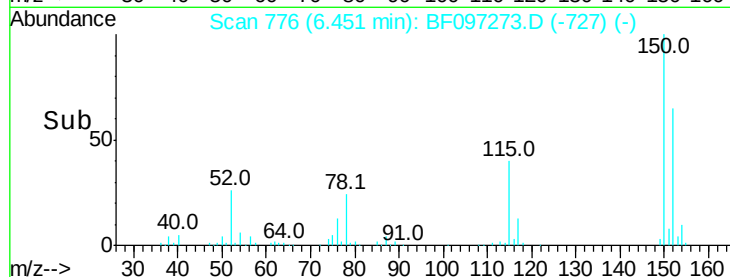
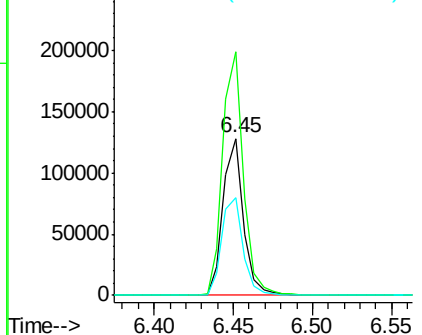
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	61.8	52.2	78.2

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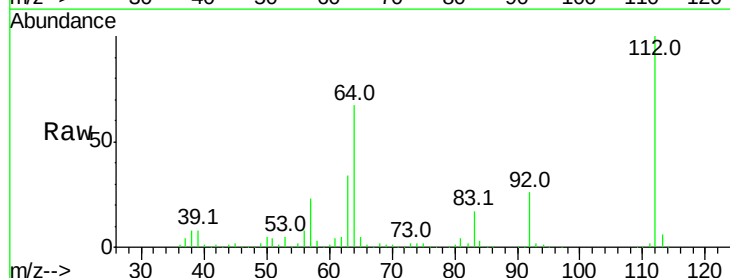
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



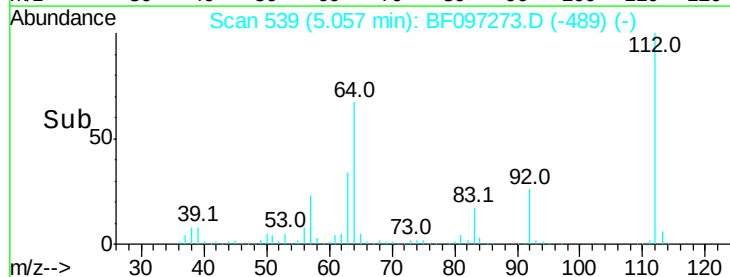
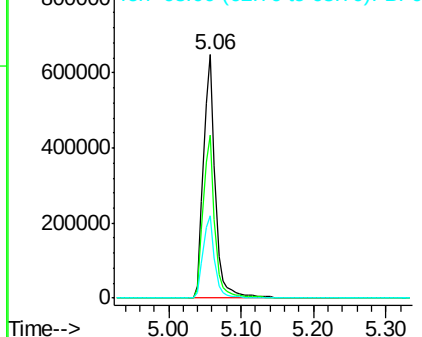
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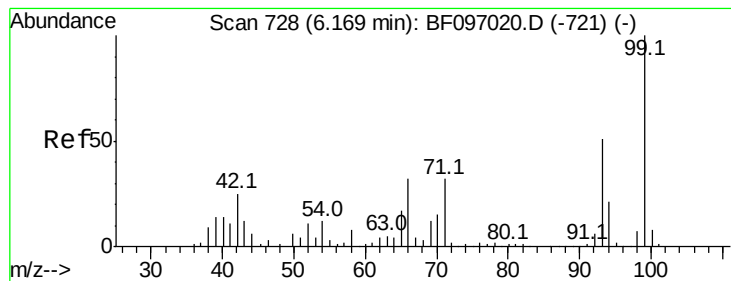
2-Fluorophenol
Concen: 98.000 ng
RT: 5.06 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	33.9	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: 105.520 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF097273.D

Acq: 2 Aug 2017 15:10

Instrument :

BNA_F

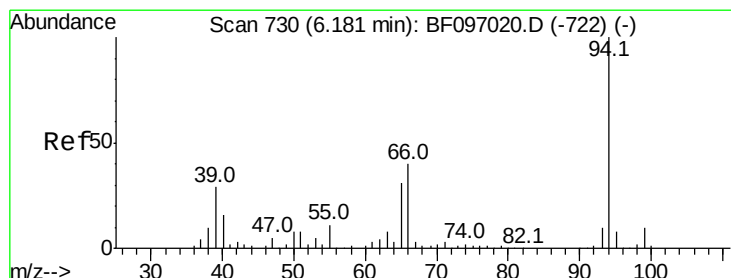
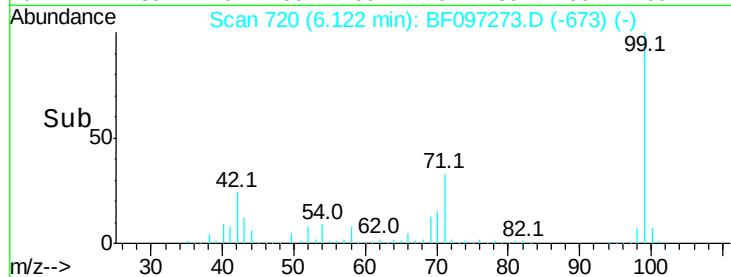
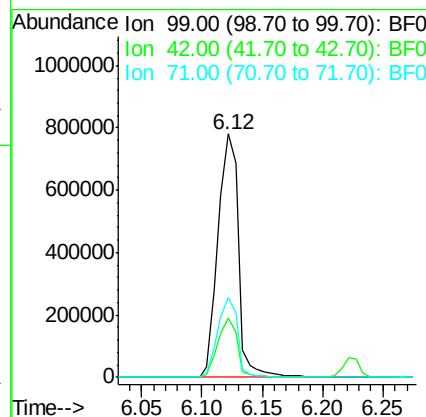
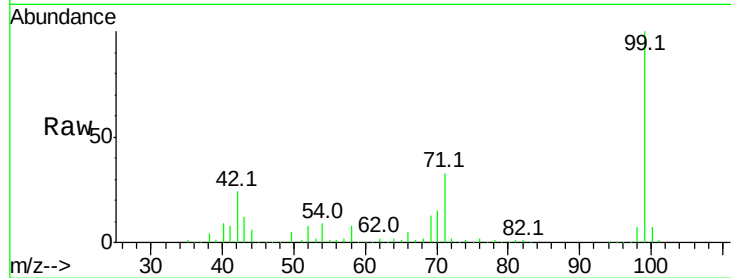
ClientSampled :

TP-3-4

Tot Ion:	99	Resp:	911419
Ion Ratio	Lower	Upper	
99	100		
42	24.3	13.5	20.3#
71	33.0	24.5	36.7

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#10

Phenol

Concen: 3.825 ng

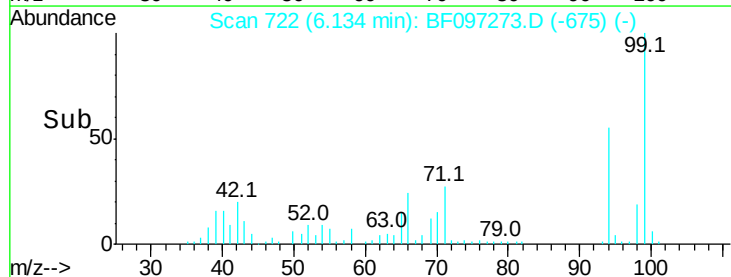
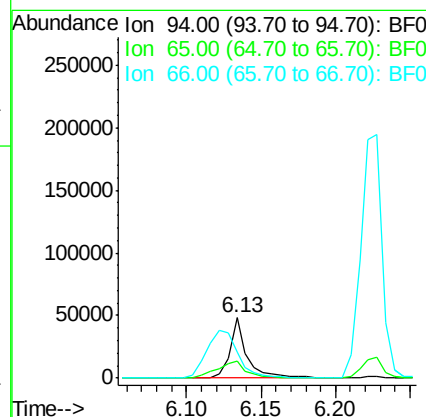
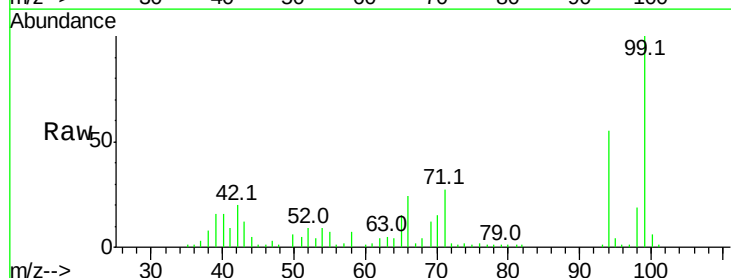
RT: 6.13 min Scan# 722

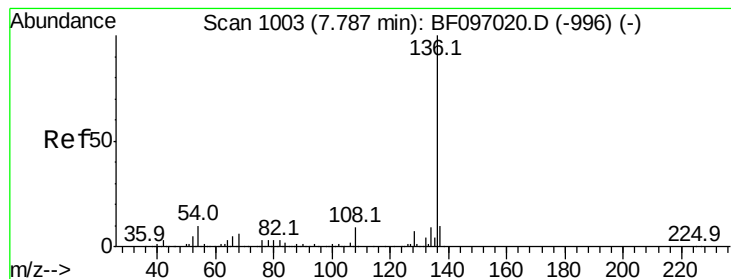
Delta R.T. -0.02 min

Lab File: BF097273.D

Acq: 2 Aug 2017 15:10

Tgt Ion:	94	Resp:	39192
Ion Ratio	Lower	Upper	
94	100		
65	27.9	9.9	49.9
66	43.4	23.1	63.1





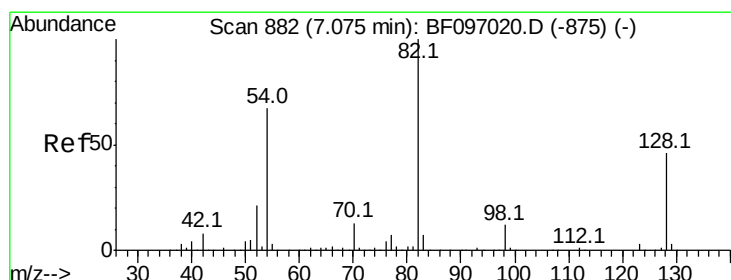
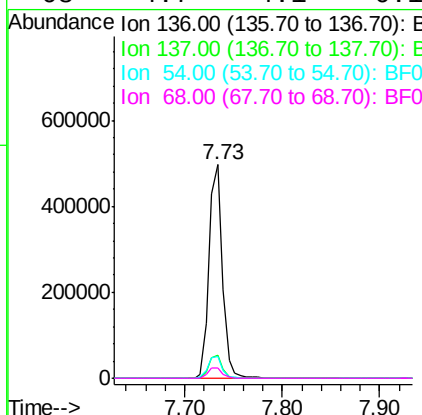
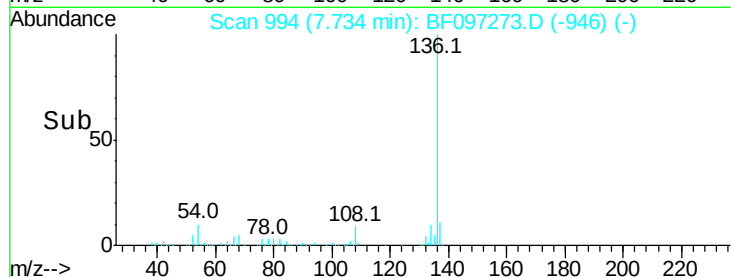
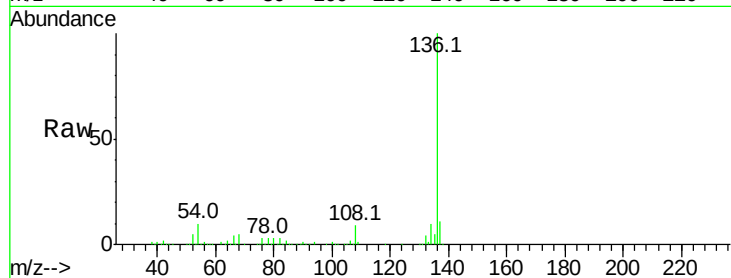
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
TP-3-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	10.1	4.9	7.3#	
68	4.7	4.1	6.1	

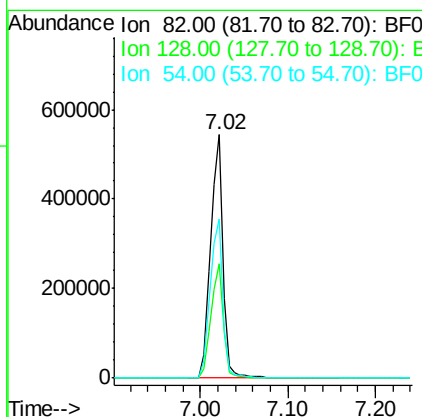
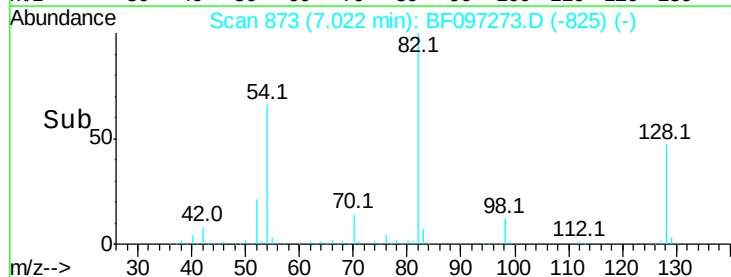
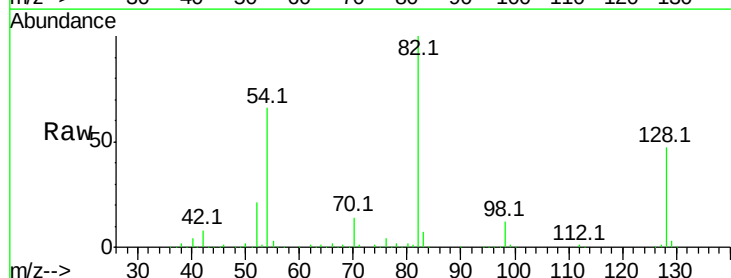
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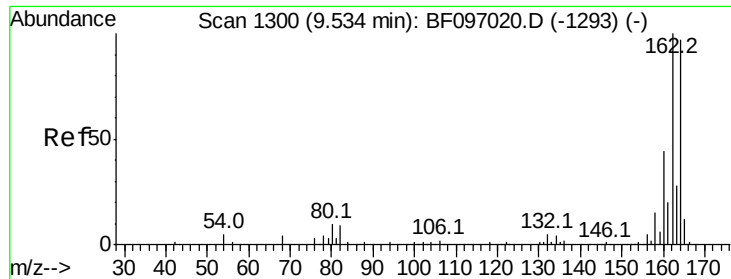
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#23
Nitrobenzene-d5
Concen: 66.396 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	34.0	51.0	
54	65.6	42.2	63.2#	





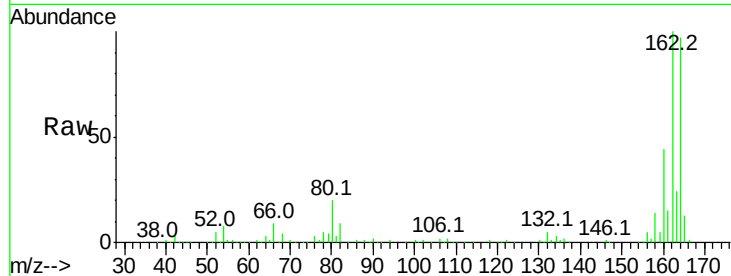
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF097273.D
 Acq: 2 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4

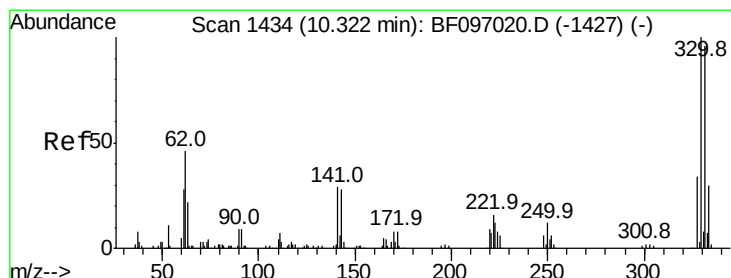
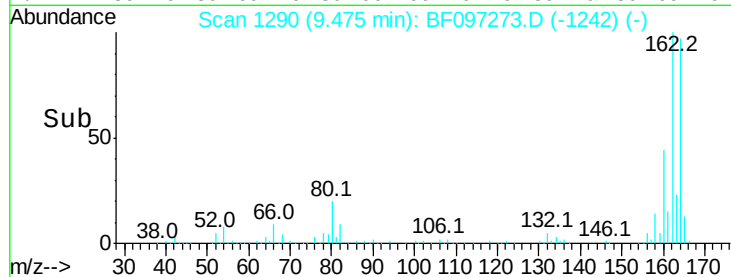
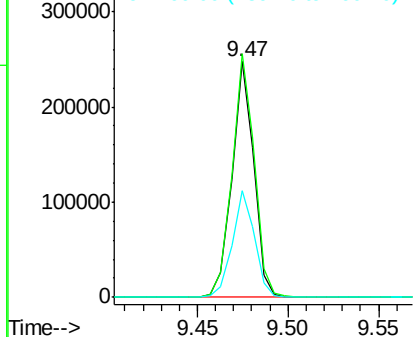
Tot Ion	Ratio	Resp	Lower	Upper
164	100	207665		
162	103.4	82.6	123.8	
160	45.2	36.2	54.2	

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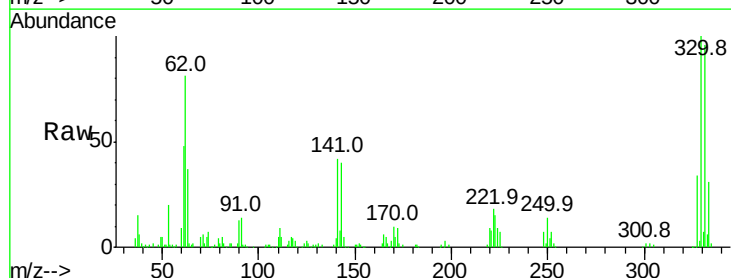


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

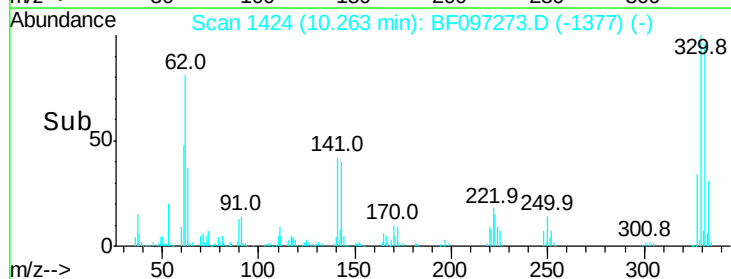
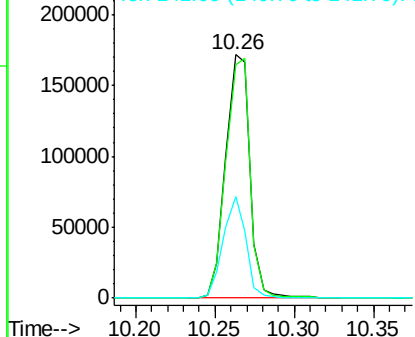


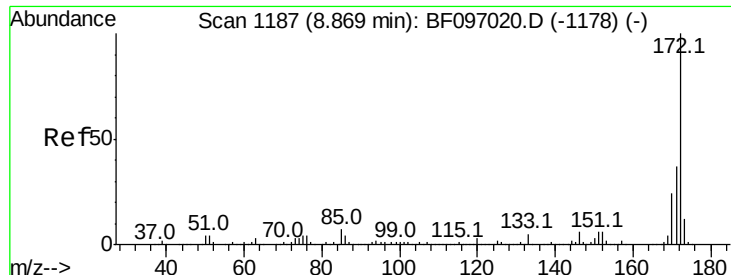
#41
 2,4,6-Tribromophenol
 Concen: 111.312 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BF097273.D
 Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	182636		
332	98.5	76.6	115.0	
141	39.0	31.4	47.2	



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





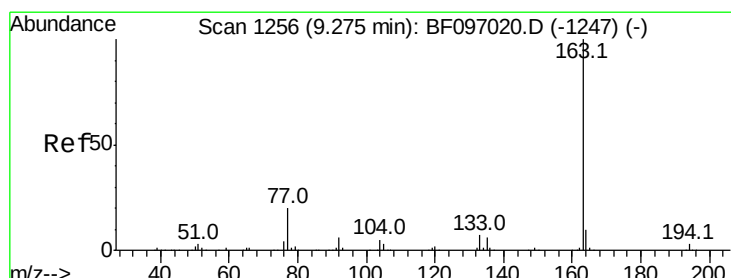
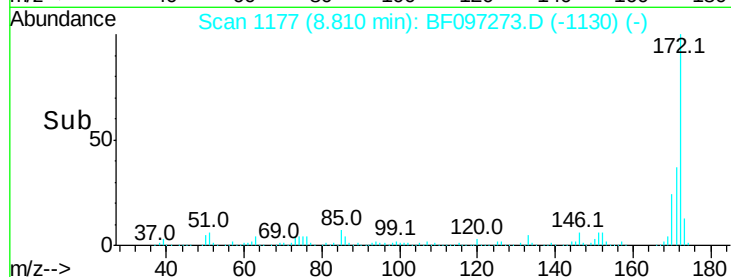
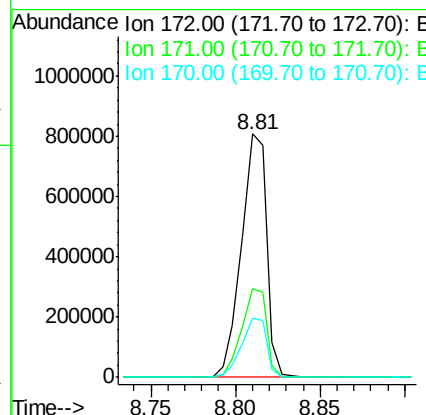
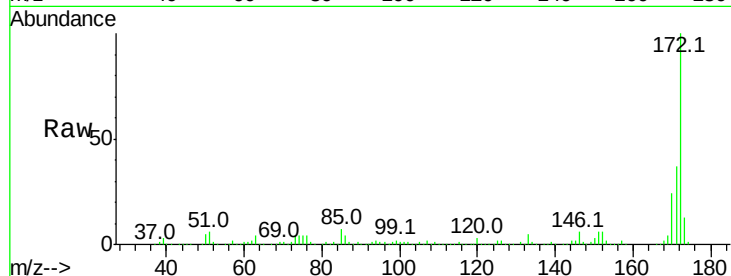
#44
2-Fluorobiphenyl
Concen: 68.777 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampled :
TP-3-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	841593		
171	36.6		29.6	44.4
170	24.1		19.8	29.8

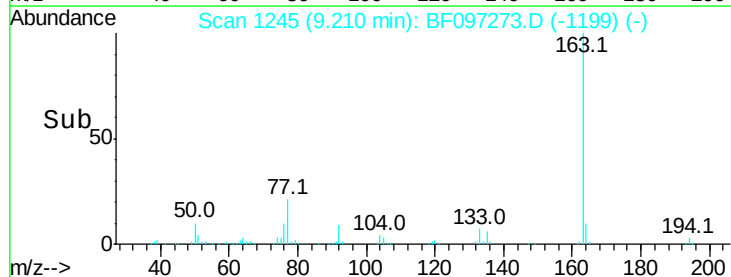
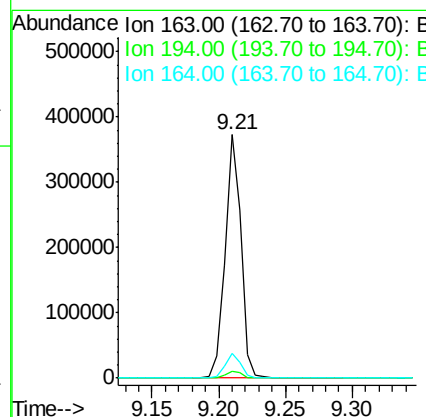
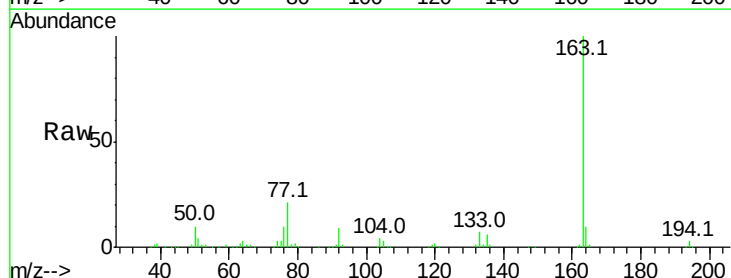
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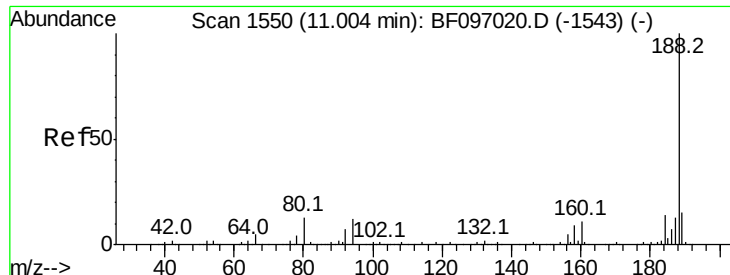
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#49
Dimethylphthalate
Concen: 19.866 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.03 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	313289		
194	3.0		2.6	4.0
164	10.0		8.4	12.6





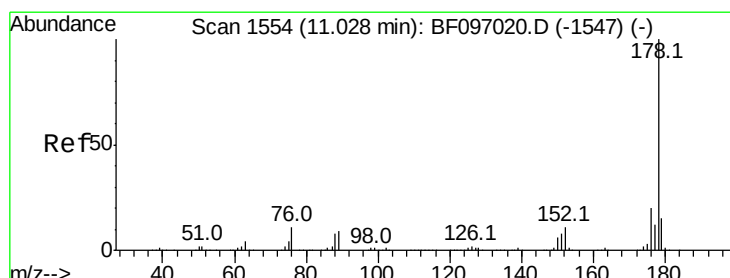
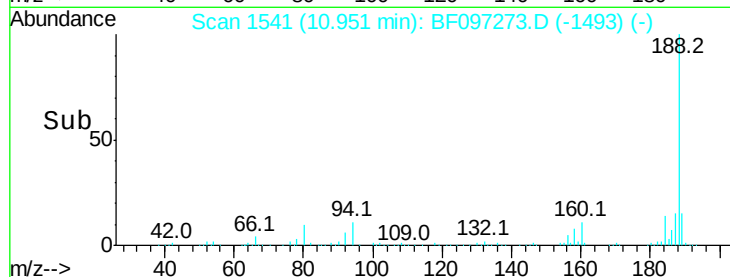
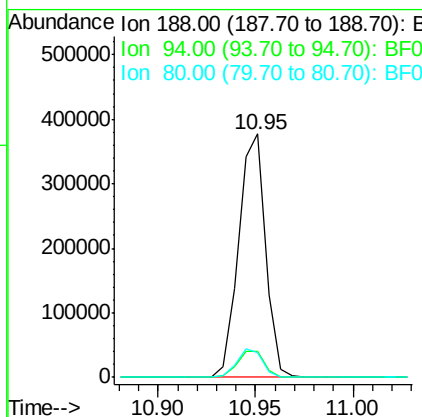
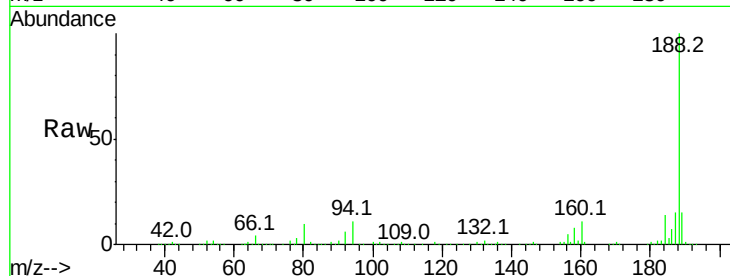
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.02 min
 Lab File: BF097273.D
 Acq: 2 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampled :
 TP-3-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.7		9.4	14.2
80	10.3		10.2	15.2

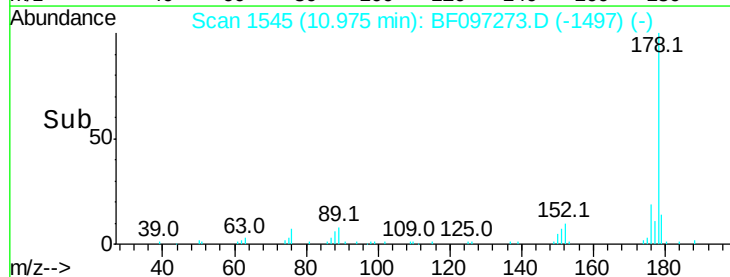
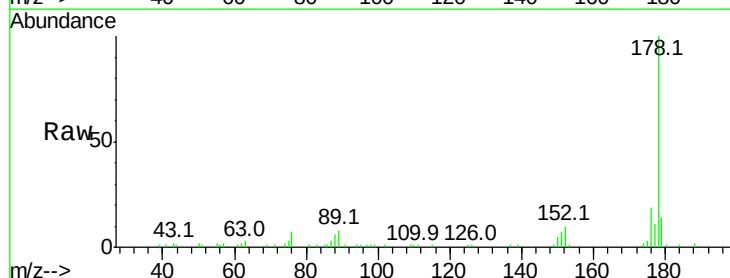
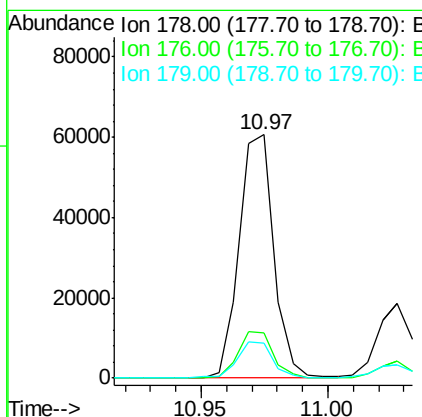
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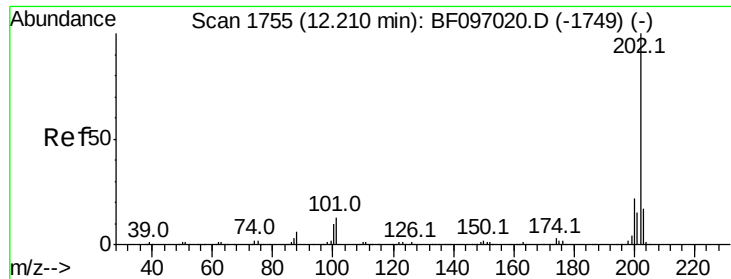
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#70
 Phenanthrene
 Concen: 2.994 ng
 RT: 10.97 min Scan# 1545
 Delta R.T. -0.02 min
 Lab File: BF097273.D
 Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.6		16.2	24.4
179	14.1		12.6	19.0





#74

Fluoranthene

Concen: 9.306 ng

RT: 12.15 min Scan# 1745

Delta R.T. -0.02 min

Lab File: BF097273.D

Acq: 2 Aug 2017 15:10

Instrument :

BNA_F

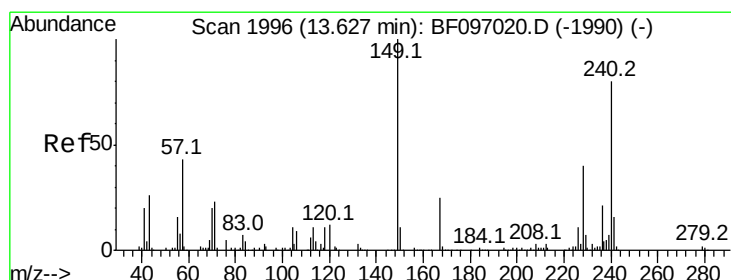
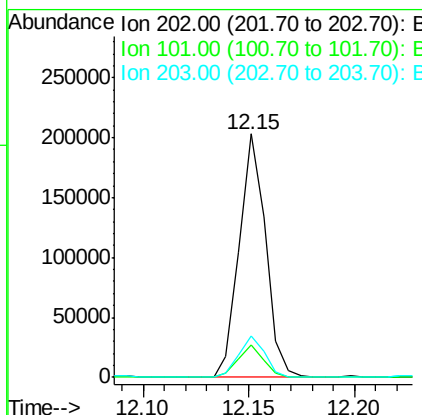
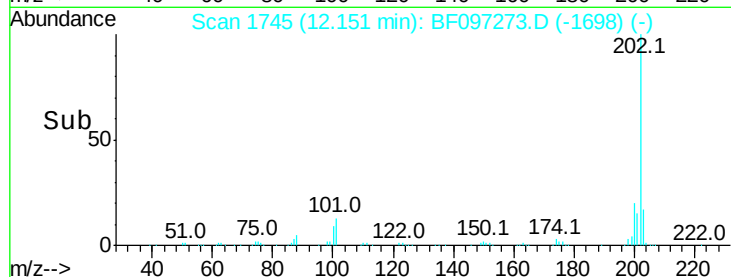
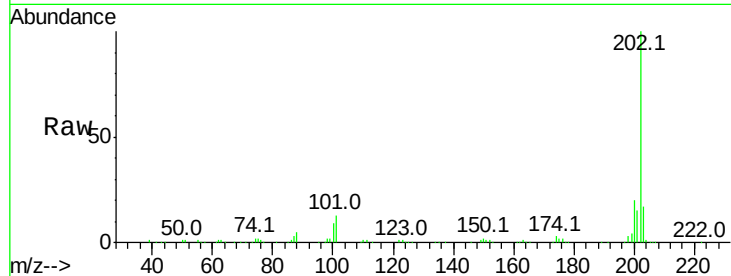
ClientSampled :

TP-3-4

Tot Ion:	202	Resp:	175636
Ion Ratio		Lower	Upper
202	100		
101	13.4	0.0	33.2
203	16.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

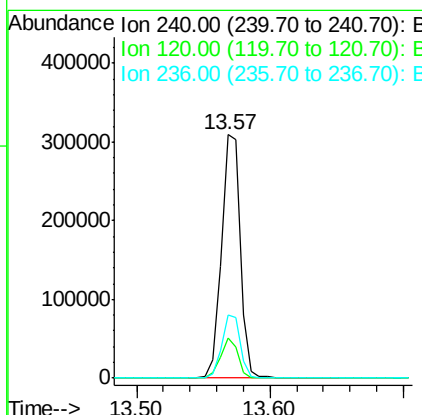
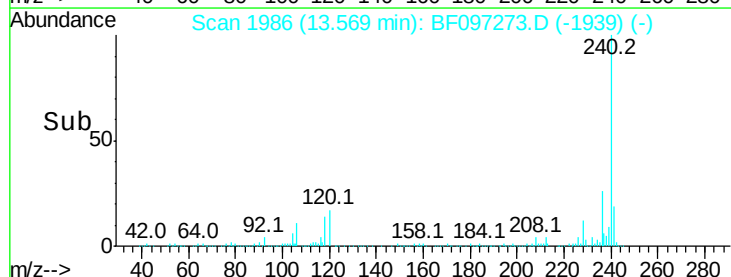
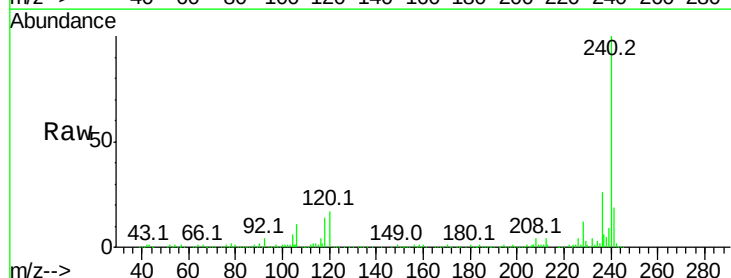
RT: 13.57 min Scan# 1986

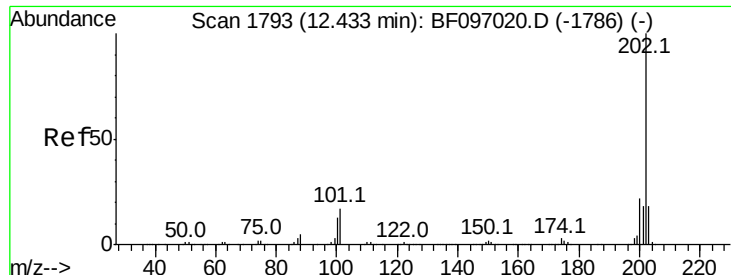
Delta R.T. -0.02 min

Lab File: BF097273.D

Acq: 2 Aug 2017 15:10

Tgt Ion:	240	Resp:	309520
Ion Ratio		Lower	Upper
240	100		
120	16.5	5.8	8.8#
236	25.7	20.5	30.7





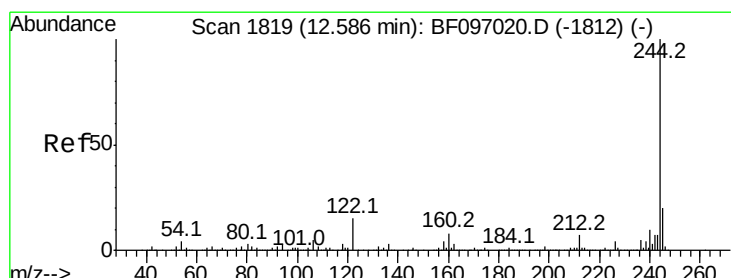
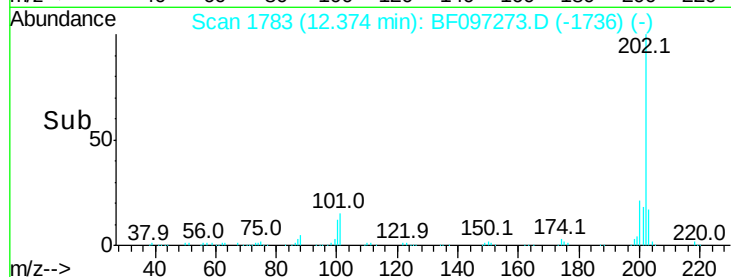
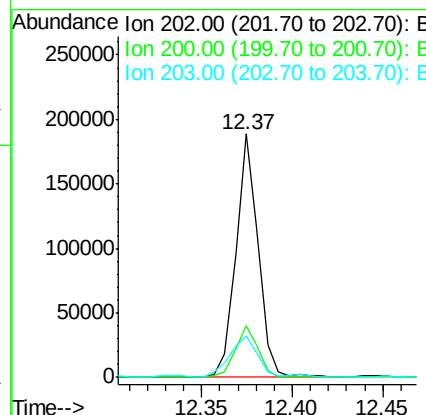
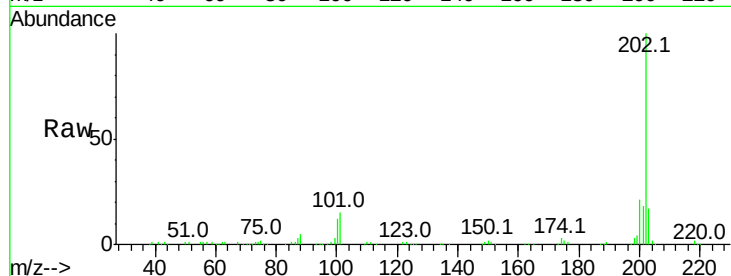
#77
Pvrene
Concen: 6.338 ng
RT: 12.37 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampled :
TP-3-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.1	14.4	21.6

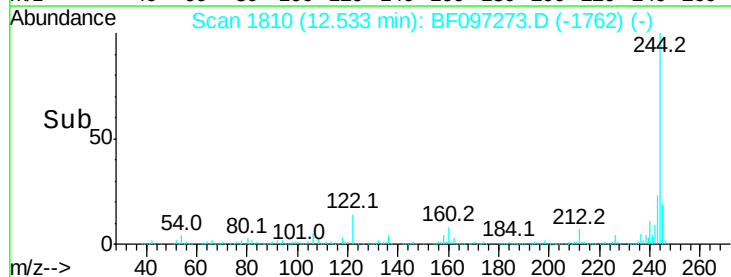
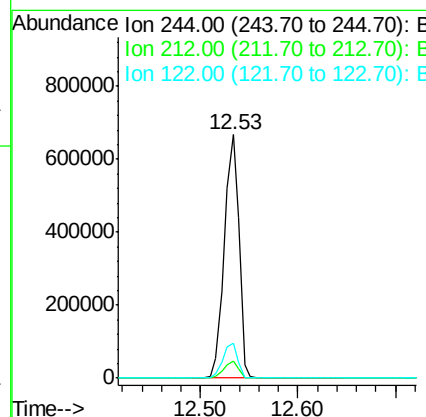
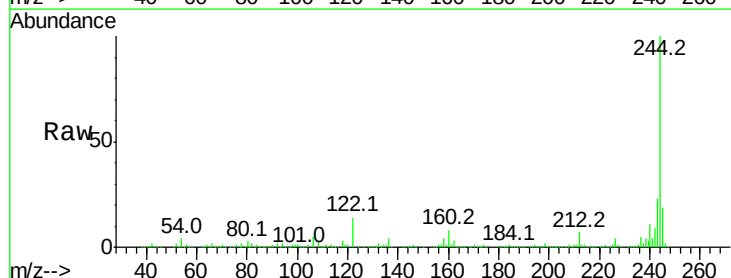
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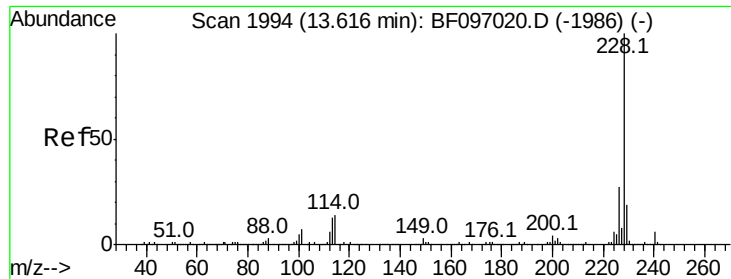
Sohil
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#78
Terphenyl-d14
Concen: 45.877 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5





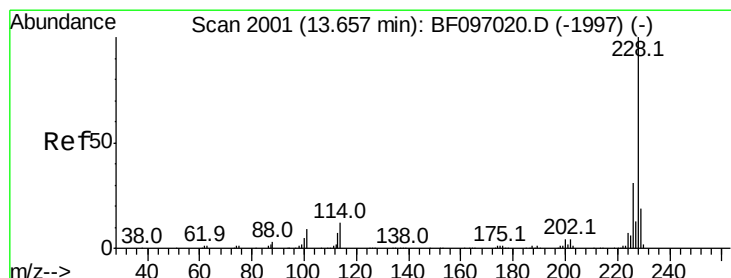
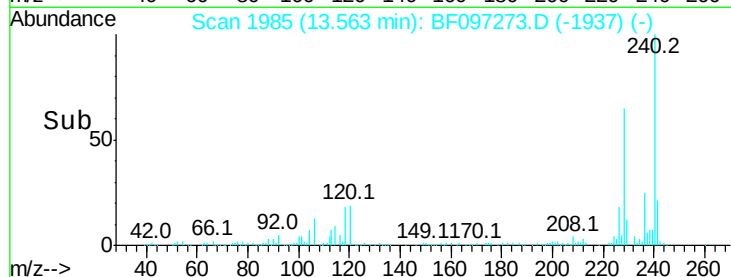
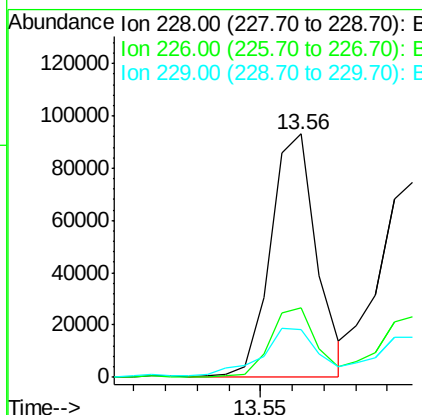
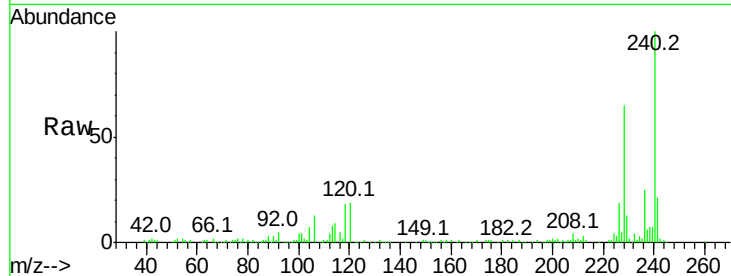
#80
Benzo(a)anthracene
Concen: 4.673 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
TP-3-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	19.7	16.3	24.5

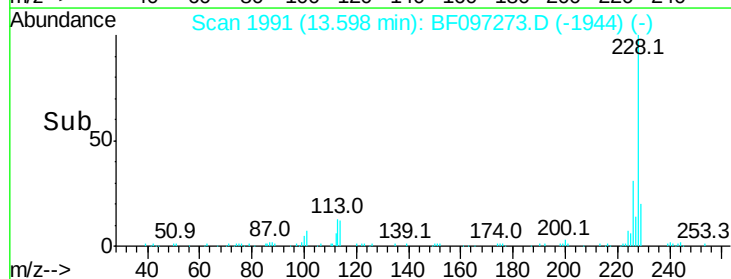
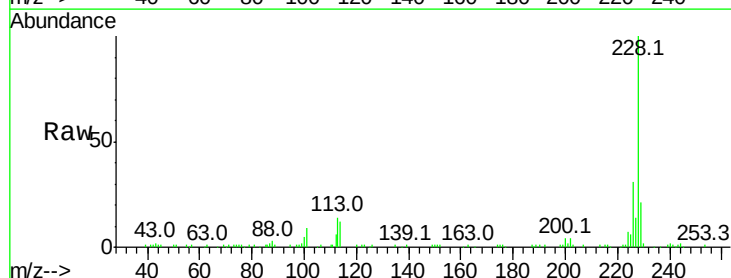
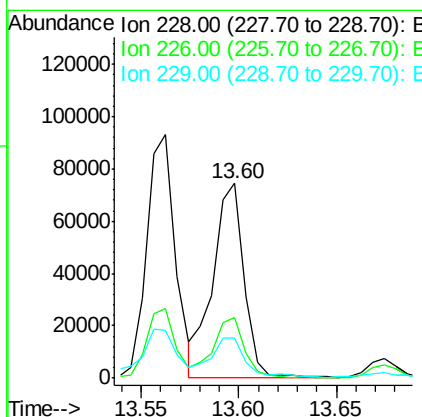
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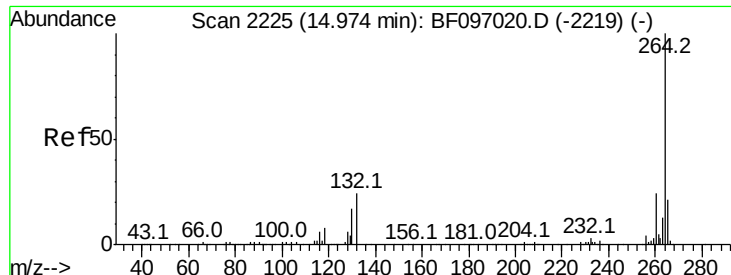
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8/3/2017 6:08:00 PM



#82
Chrysene
Concen: 4.265 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.5	15.8	23.6





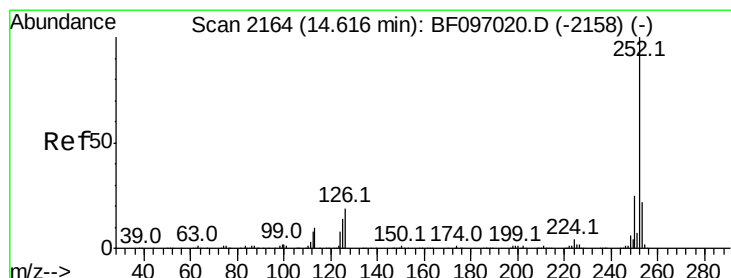
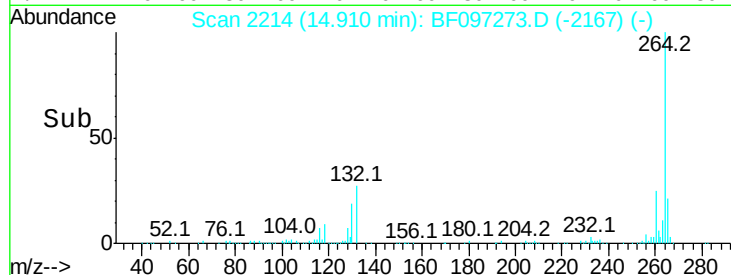
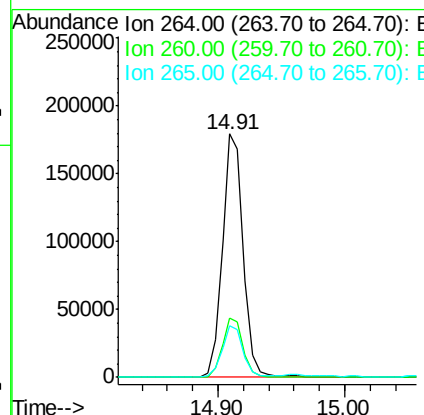
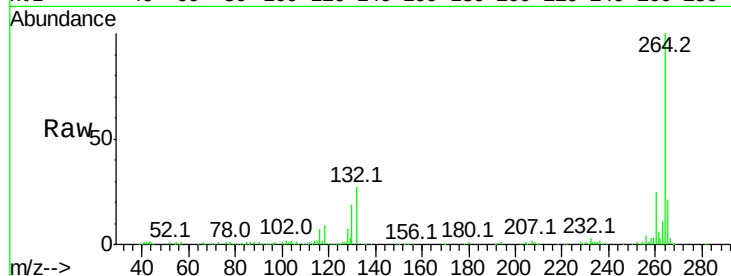
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
TP-3-4

Tot Ion	Ratio	Resp	Lower	Upper
264	100	205495		
260	24.5		19.5	29.3
265	21.4		17.2	25.8

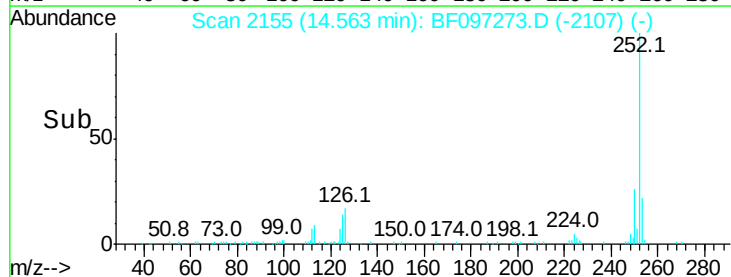
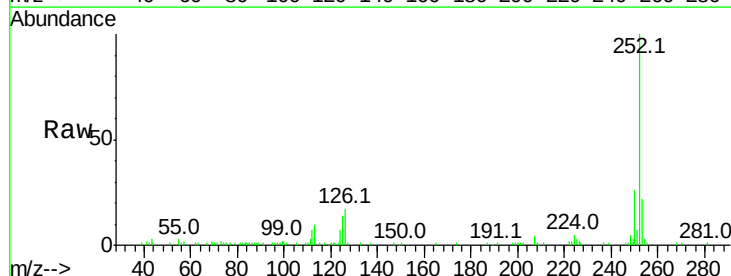
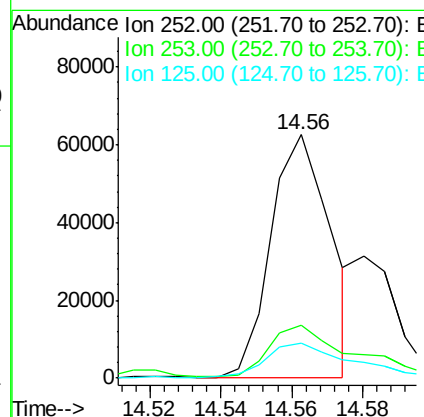
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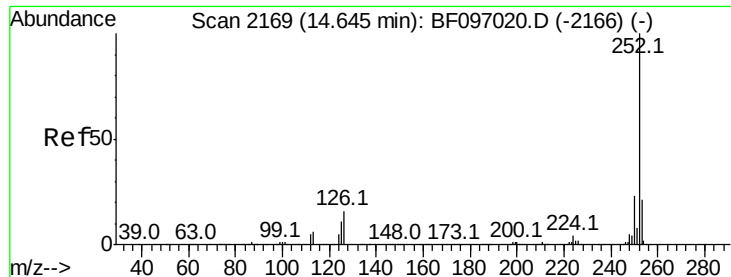
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#87
Benzo(b)fluoranthene
Concen: 5.923 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	73171		
253	21.6		18.1	27.1
125	14.3		9.8	14.8





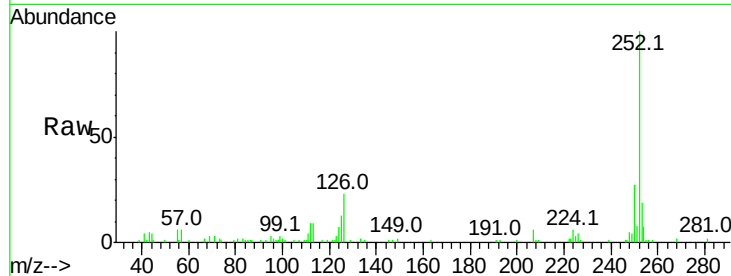
#88
Benzo(k)fluoranthene
Concen: 2.287 ng m
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Instrument :
BNA_F
ClientSampled :
TP-3-4

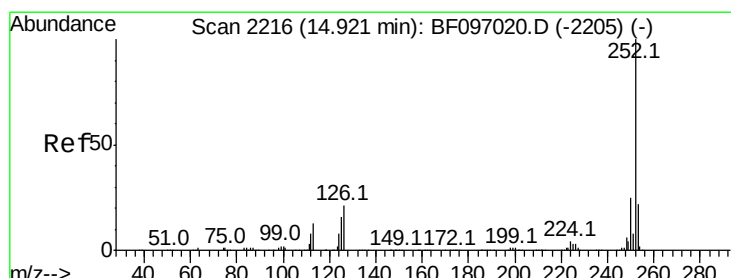
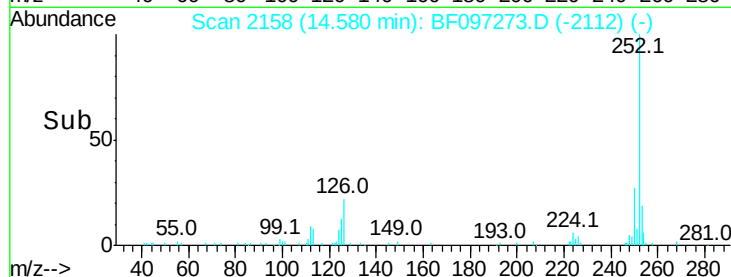
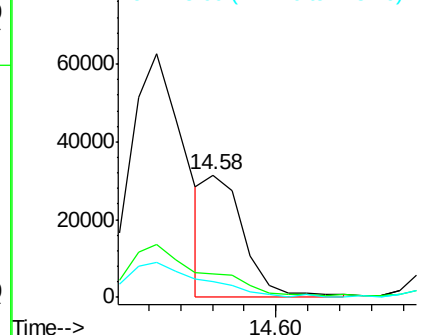
Tot Ion	Ratio	Lower	Upper
252	100		
253	19.3	18.4	27.6
125	13.2	13.1	19.7

Manual Integrations
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8/3/2017 6:08:00 PM



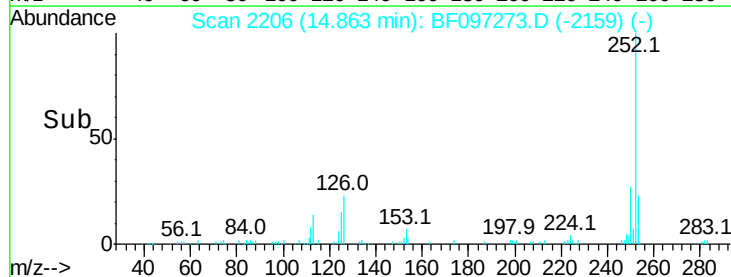
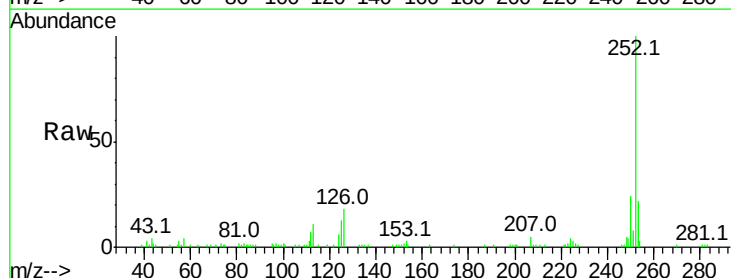
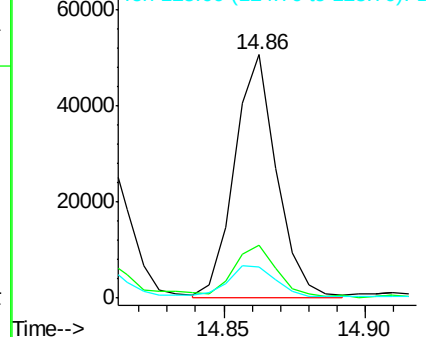
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

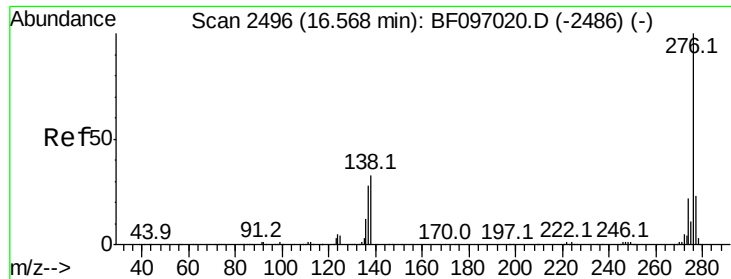


#89
Benzo(a)pyrene
Concen: 4.669 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF097273.D
Acq: 2 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	12.8	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.295 ng
 RT: 16.47 min Scan# 2480
 Delta R.T. -0.04 min
 Lab File: BF097273.D
 Acq: 2 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4

Tot Ion:	276	Resp:	22315
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.6	28.0
138	31.7	25.4	38.0

Manual Integrations
 APPROVED

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