

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097444.D
 Acq On : 7 Aug 2017 22:16
 Operator : SJ/JU
 Sample : I4623-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WW

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:56:16 PM

Quant Time: Aug 08 05:54:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	99352	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	445958	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	174435	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	230404	20.00	ng	0.00
75) Chrysene-d12	13.53	240	206635	20.00	ng	0.00
86) Perylene-d12	14.87	264	175888	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	562435	85.34	ng	0.00
7) Phenol-d6	6.08	99	729165	96.91	ng	0.00
23) Nitrobenzene-d5	6.98	82	437274	57.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	91168	66.15	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	653099	63.54	ng	0.00
78) Terphenyl-d14	12.49	244	407730	40.23	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.09	94	27898	3.126	ng	# 63
49) Dimethylphthalate	9.17	163	103630	7.823	ng	98
51) Acenaphthene	9.47	154	48585	4.901	ng	93
57) Fluorene	9.98	166	25095	2.529	ng	95
70) Phenanthrene	10.93	178	334785	27.119	ng	99
71) Anthracene	10.99	178	82281	6.507	ng	99
72) Carbazole	11.15	167	31243	2.512	ng	94
74) Fluoranthene	12.12	202	444130	36.723	ng	97
77) Pyrene	12.34	202	379757	22.449	ng	98
80) Benzo(a)anthracene	13.52	228	227455	17.012	ng	100
82) Chrysene	13.56	228	196254	15.032	ng	99
85) Indeno(1,2,3-cd)pyrene	16.06	276	66666	5.955	ng	94
87) Benzo(b)fluoranthene	14.53	252	230922m	21.841	ng	
88) Benzo(k)fluoranthene	14.54	252	82645m	8.203	ng	
89) Benzo(a)pyrene	14.82	252	153771	15.891	ng	96
90) Dibenzo(a,h)anthracene	16.06	278	16498	2.079	ng	# 79
91) Benzo(g,h,i)perylene	16.42	276	62290	7.485	ng	99

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

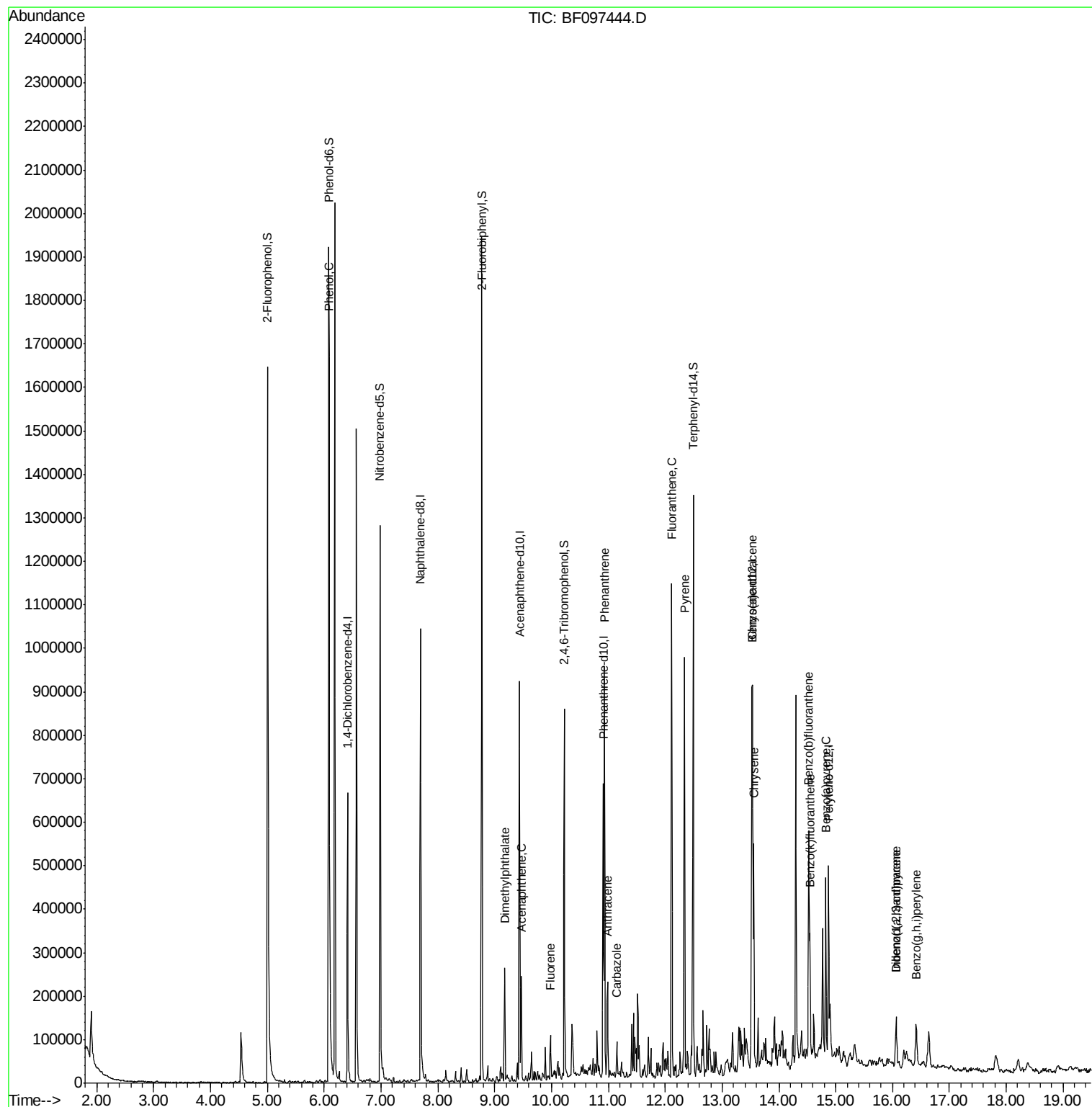
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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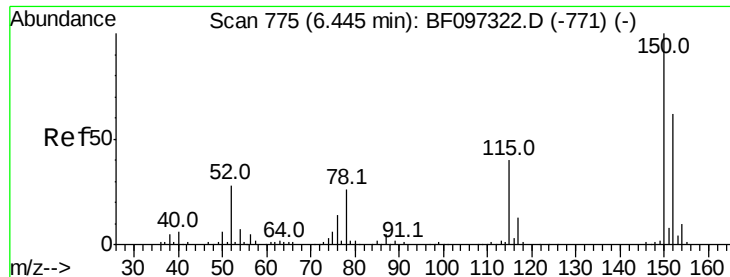
Instrument :
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#1

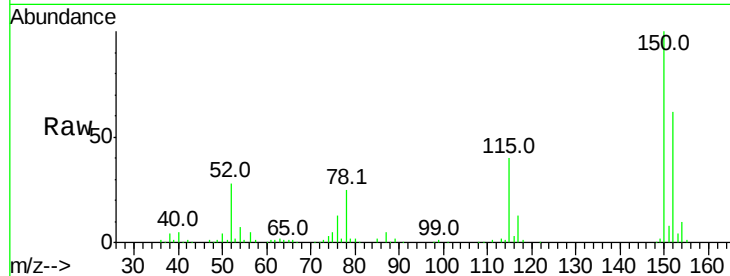
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampled :
TEC-WW

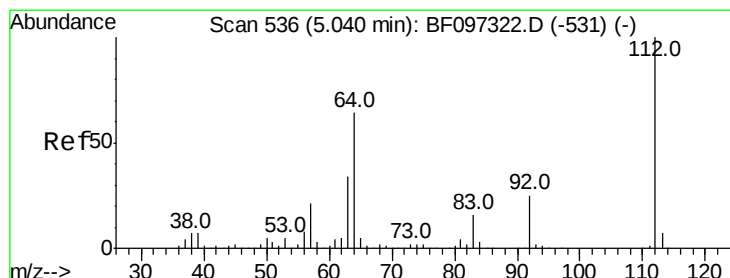
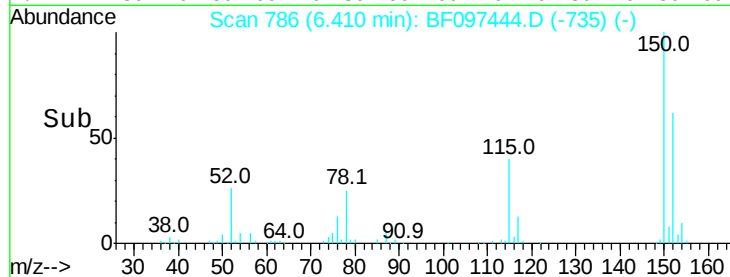
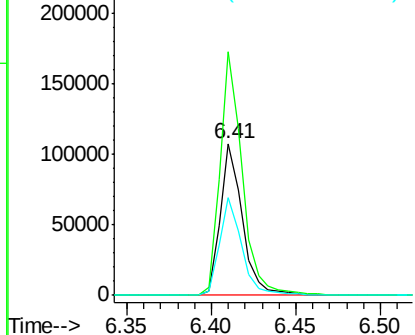
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	64.3	52.2	78.2

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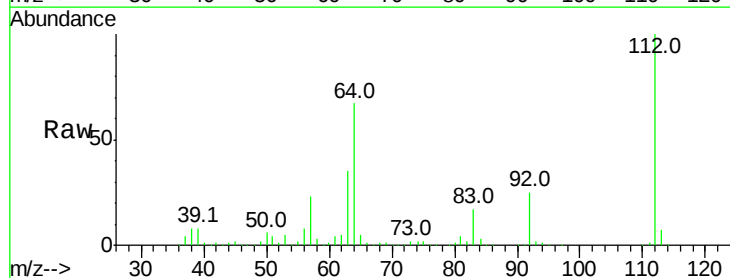
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



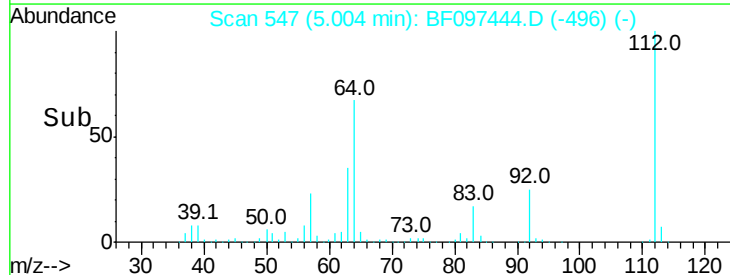
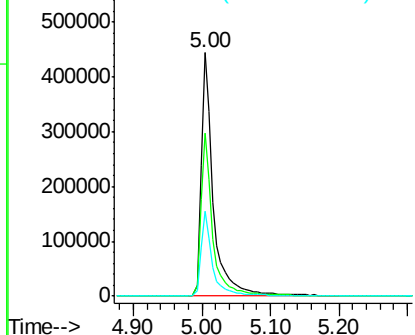
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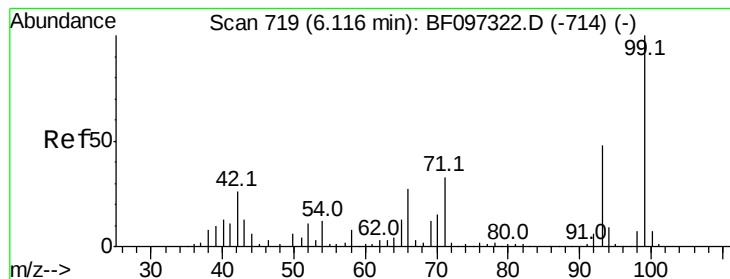
2-Fluorophenol
Concen: 85.339 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.8	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: 96.913 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Instrument :

BNA_F

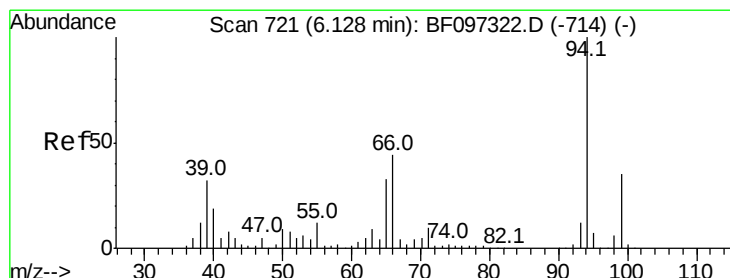
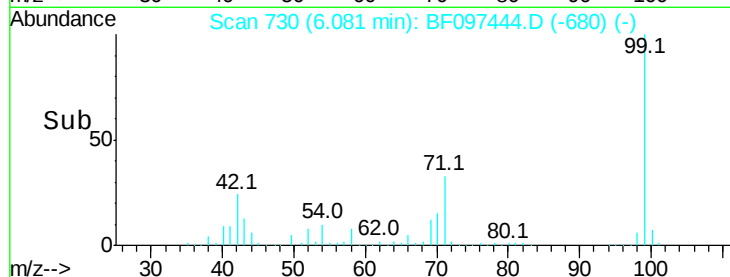
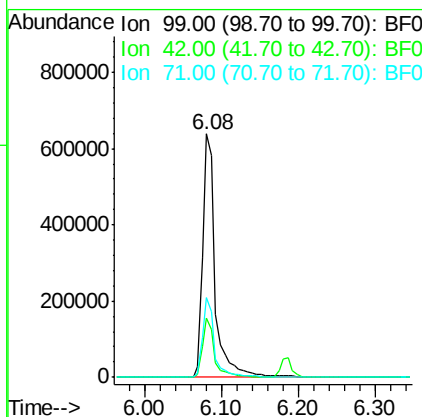
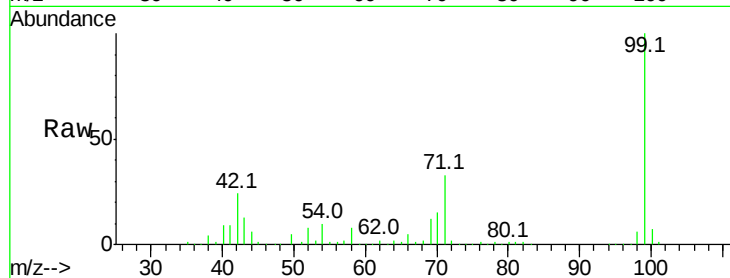
ClientSampled :

TEC-WW

Tot Ion:	99	Resp:	729165
Ion Ratio	Lower	Upper	
99	100		
42	24.3	13.5	20.3#
71	32.6	24.5	36.7

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#10

Phenol

Concen: 3.126 ng

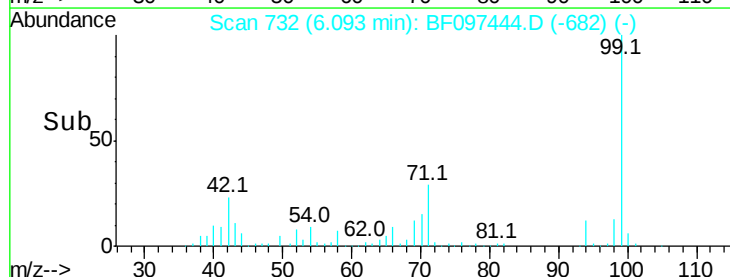
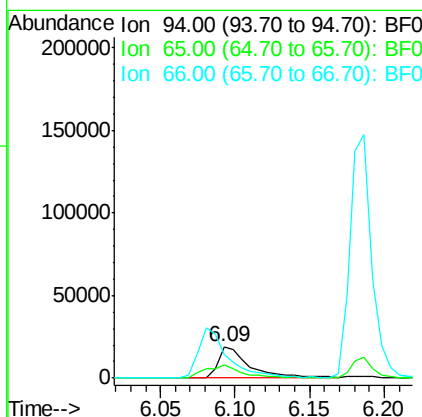
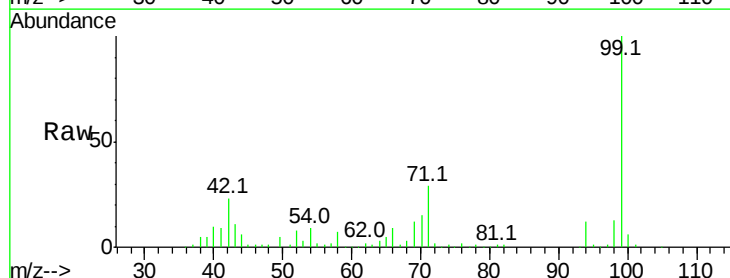
RT: 6.09 min Scan# 732

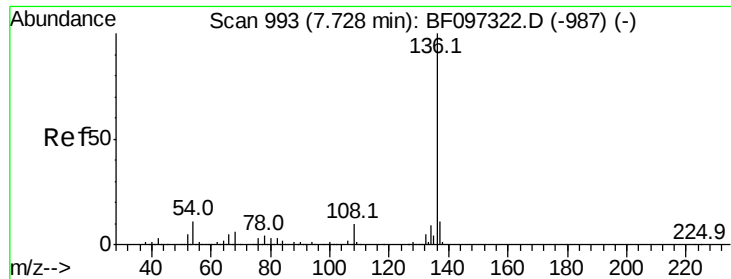
Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Tgt Ion:	94	Resp:	27898
Ion Ratio	Lower	Upper	
94	100		
65	41.0	9.9	49.9
66	74.4	23.1	63.1#





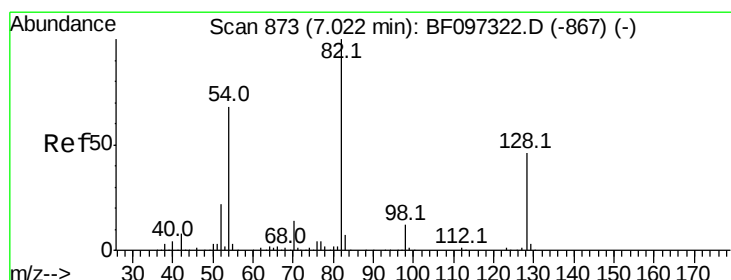
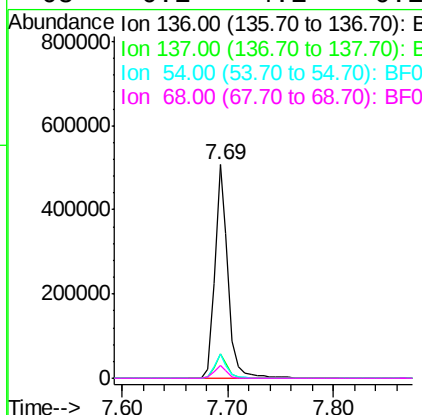
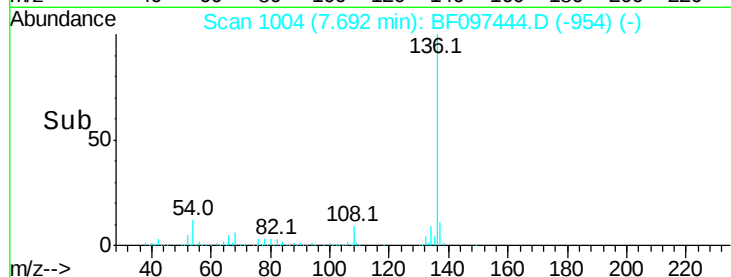
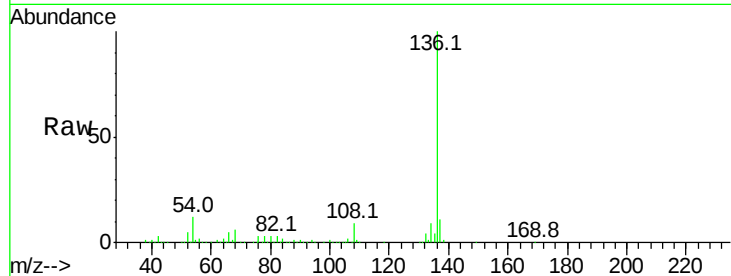
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampleId :
TEC-WW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	11.5	4.9	7.3	
68	6.1	4.1	6.1	

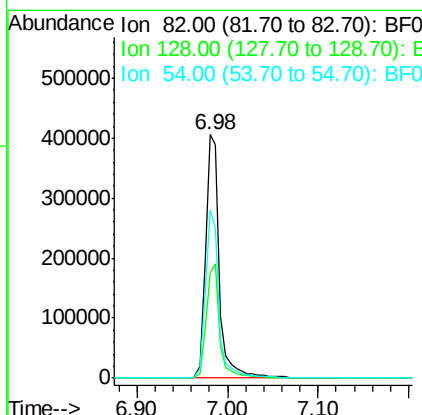
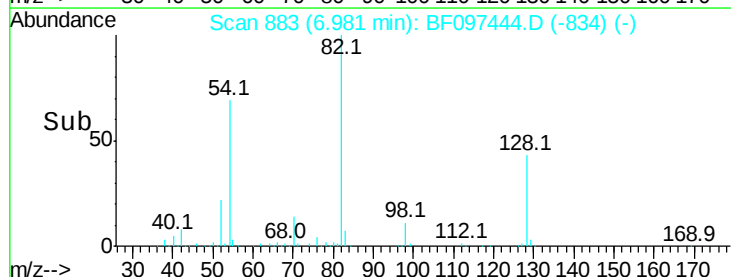
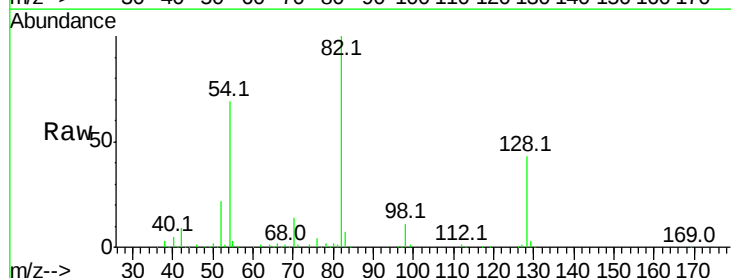
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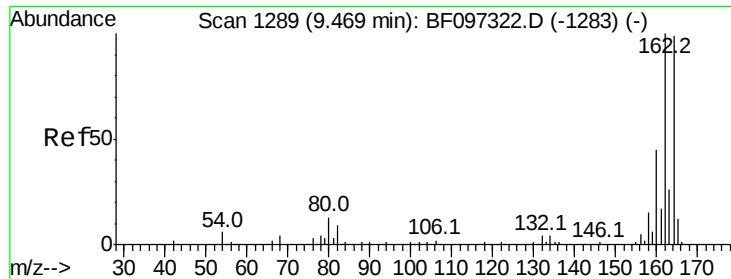
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#23
Nitrobenzene-d5
Concen: 57.522 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	34.0	51.0	
54	69.2	42.2	63.2	





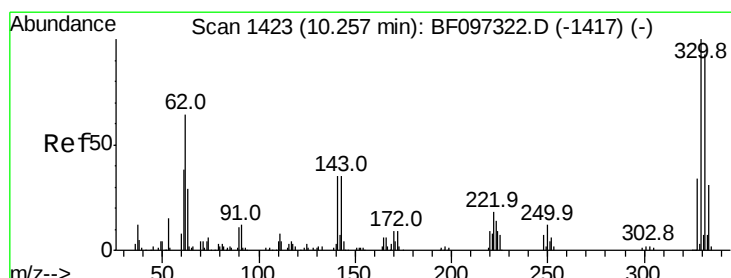
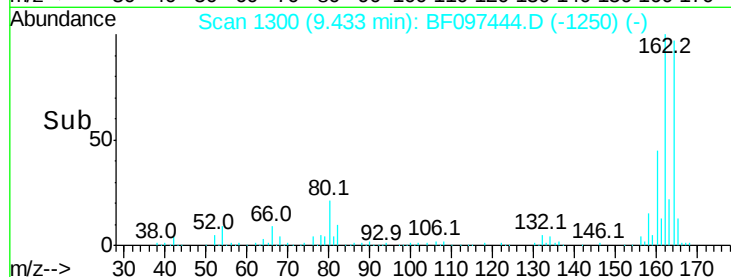
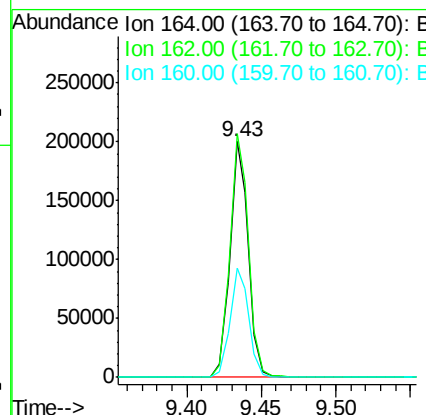
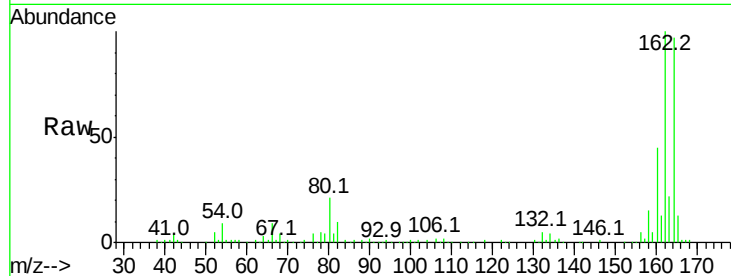
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampled :
TEC-WW

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	46.4	36.2	54.2

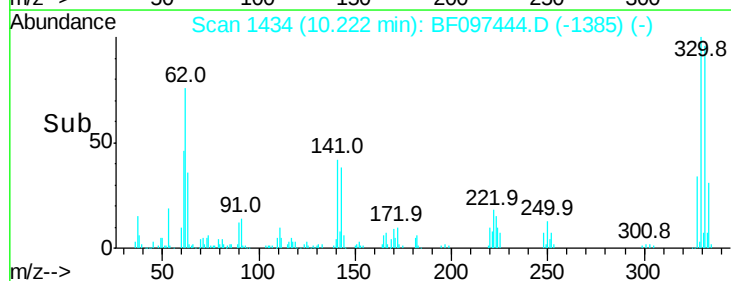
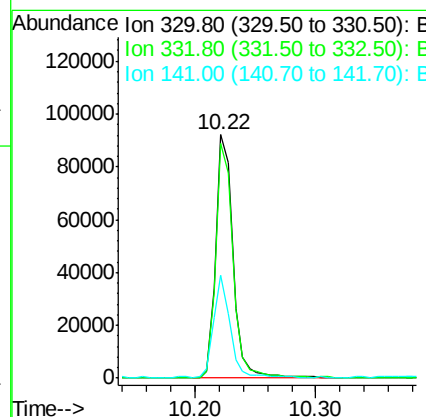
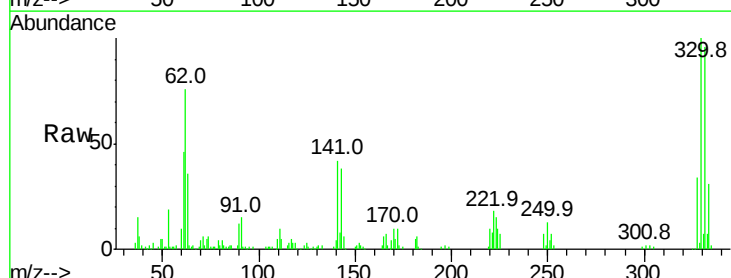
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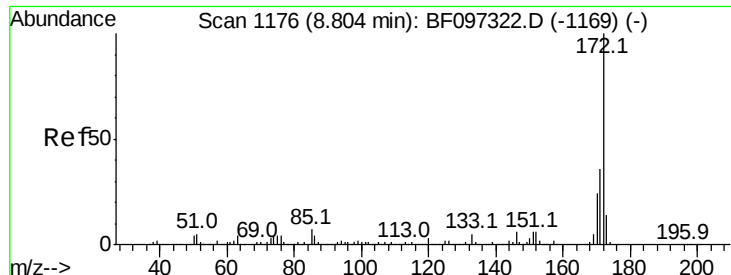
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#41
2,4,6-Tribromophenol
Concen: 66.150 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	41.7	31.4	47.2





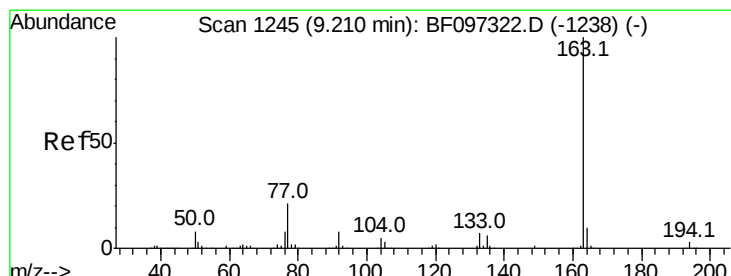
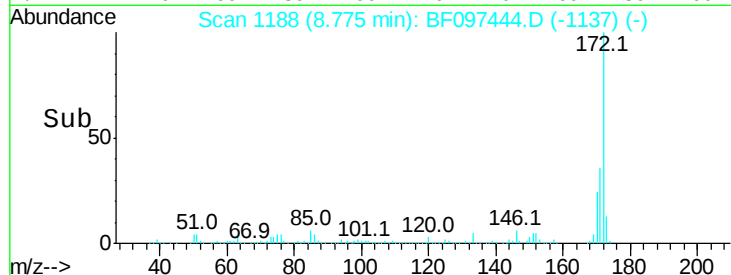
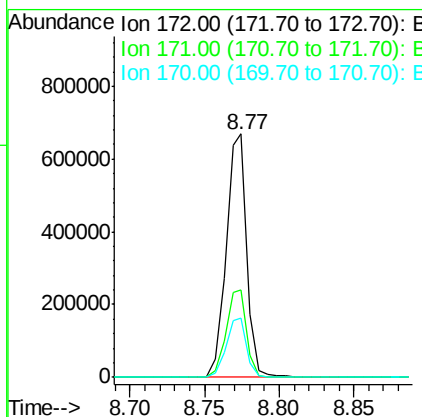
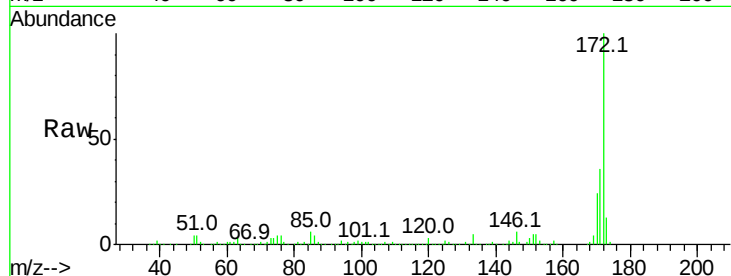
#44
2-Fluorobiphenyl
Concen: 63.541 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampleId :
TEC-WW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	653099		
171	36.0		29.6	44.4
170	24.4		19.8	29.8

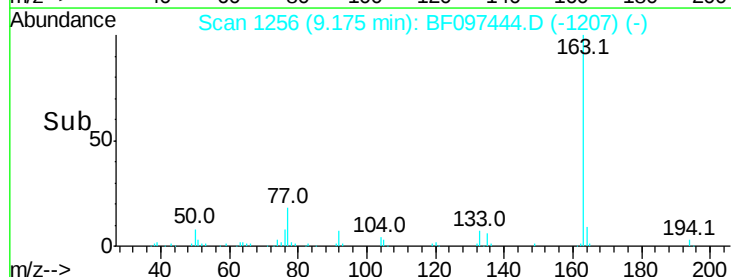
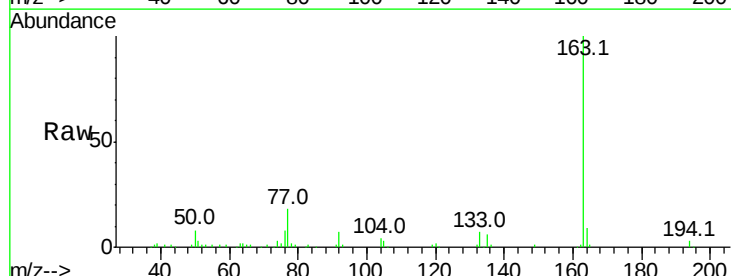
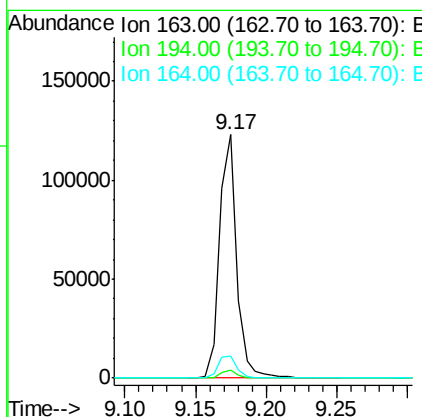
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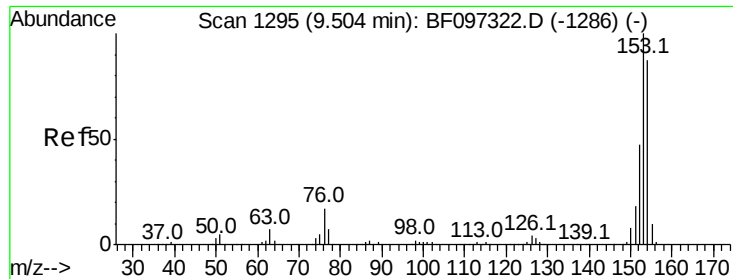
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#49
Dimethylphthalate
Concen: 7.823 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	103630		
194	3.3		2.6	4.0
164	9.3		8.4	12.6





#51

Acenaphthene

Concen: 4.901 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Instrument :

BNA_F

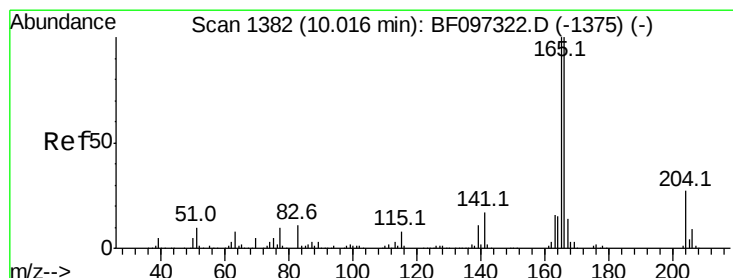
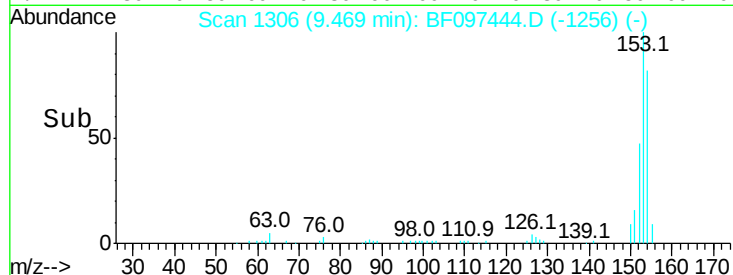
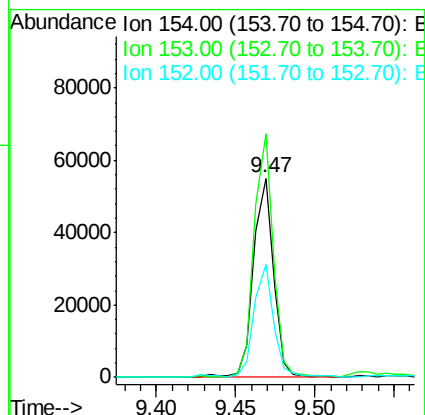
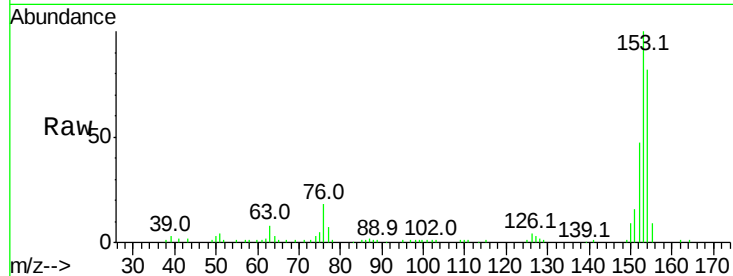
ClientSampleId :

TEC-WW

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.4	90.5	135.7
152	57.1	43.6	65.4

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#57

Fluorene

Concen: 2.529 ng

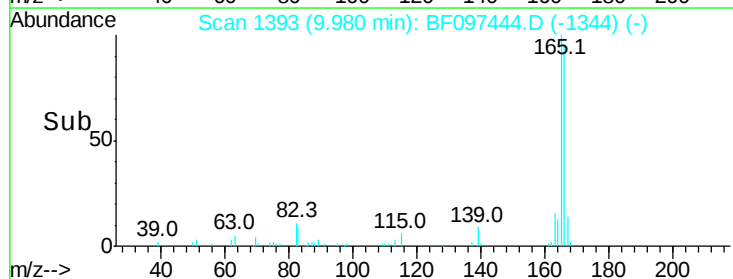
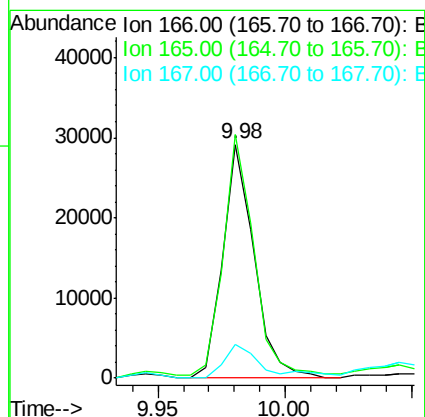
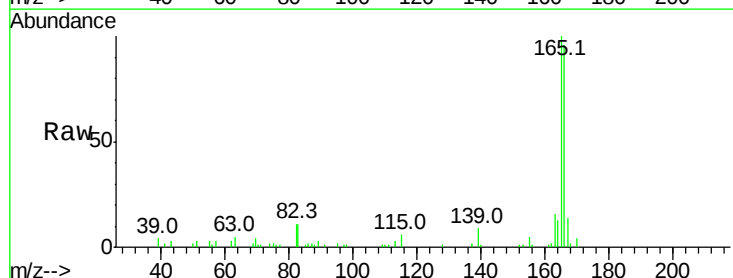
RT: 9.98 min Scan# 1393

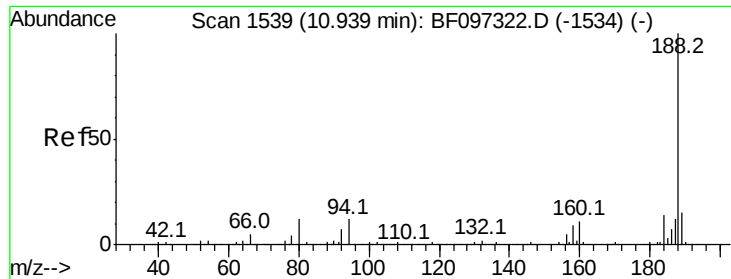
Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	78.8	118.2
167	14.4	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.91 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Instrument :

BNA_F

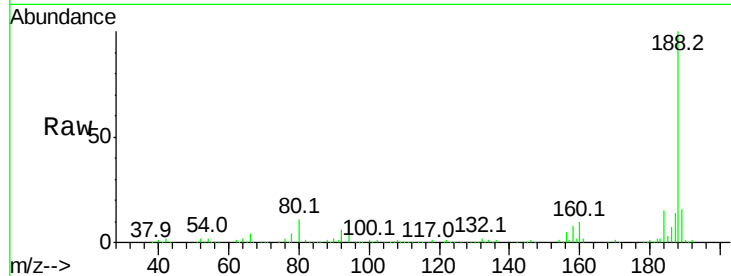
ClientSampleId :

TEC-WW

Tot Ion:	188	Resp:	230404
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.2	10.2	15.2

Manual Integrations
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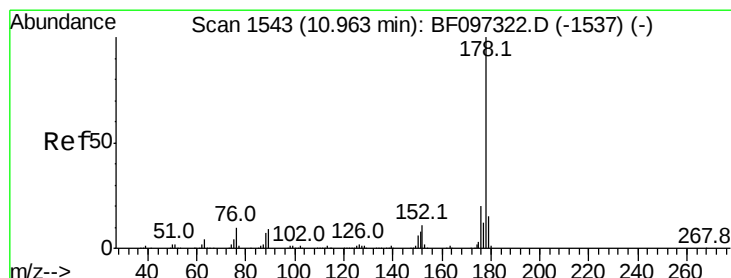
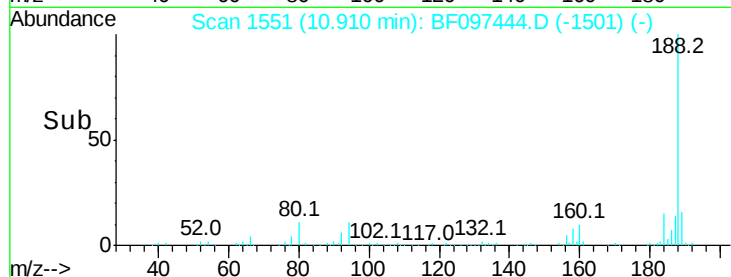


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time--> 10.85 10.90 10.95



#70

Phenanthrene

Concen: 27.119 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

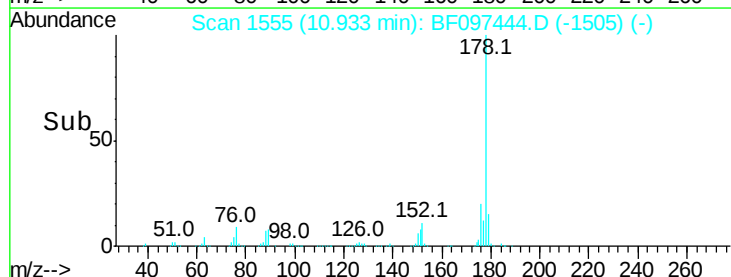
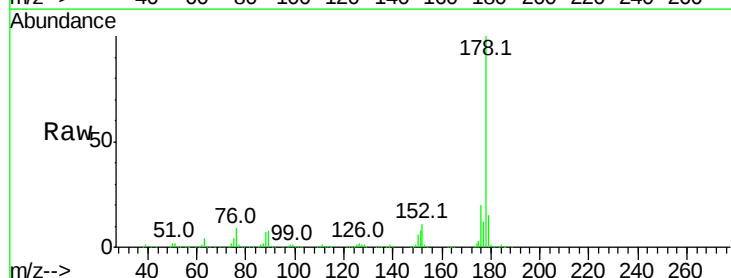
Tgt Ion:	178	Resp:	334785
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.2	24.4
179	15.1	12.6	19.0

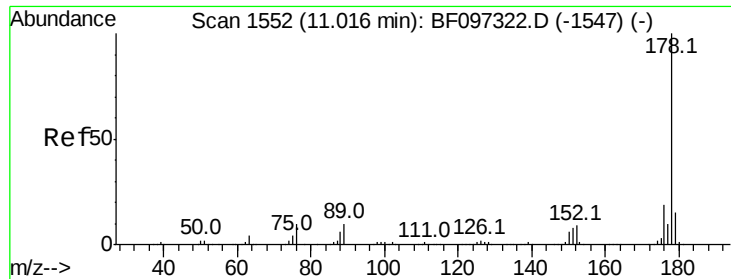
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time--> 10.90 10.95





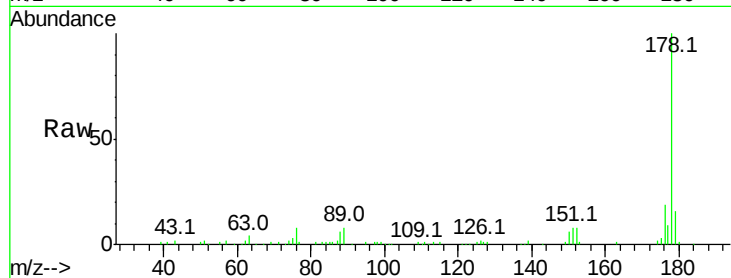
#71
 Anthracene
 Concen: 6.507 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097444.D
 Acq: 7 Aug 2017 22:16

Instrument :
 BNA_F
 ClientSampleID :
 TEC-WW

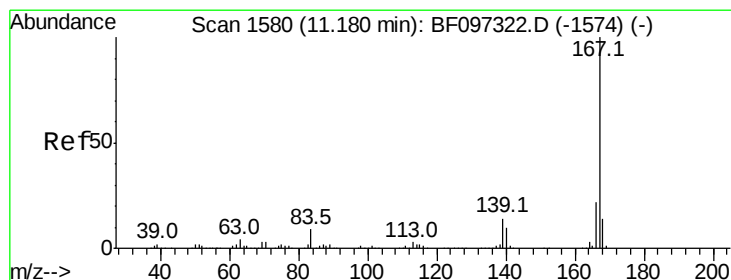
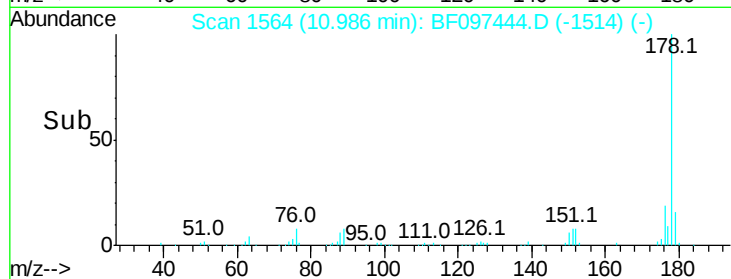
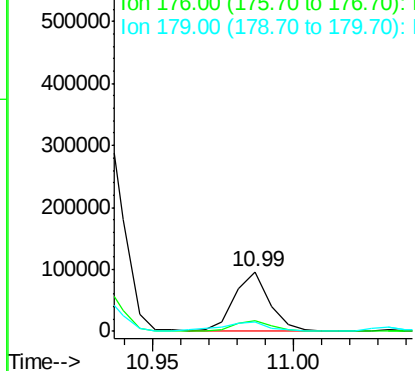
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.9	12.7	19.1

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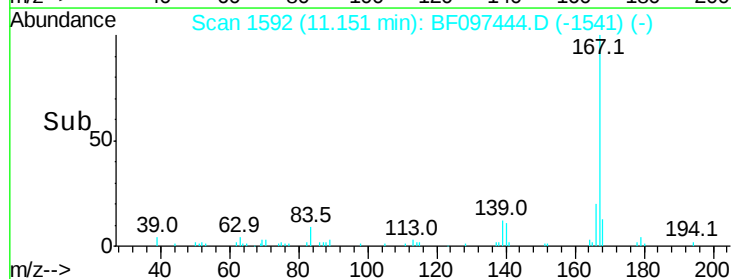
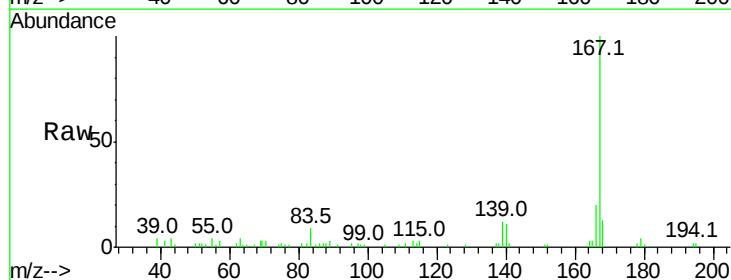
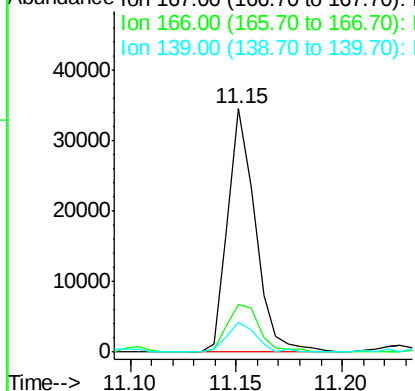
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

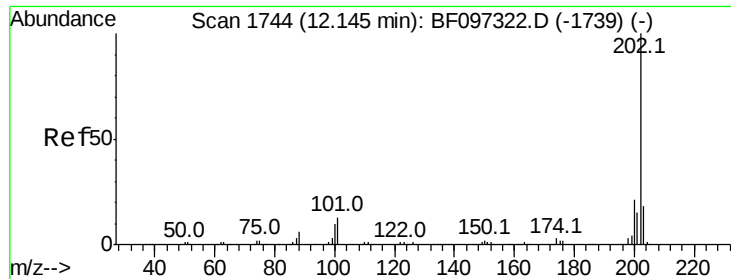


#72
 Carbazole
 Concen: 2.512 ng
 RT: 11.15 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF097444.D
 Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.8	18.1	27.1
139	12.1	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: 36.723 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Instrument :

BNA_F

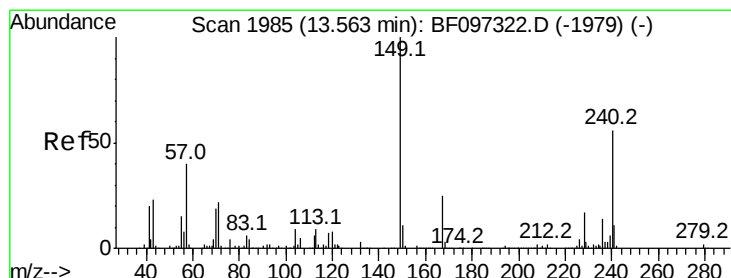
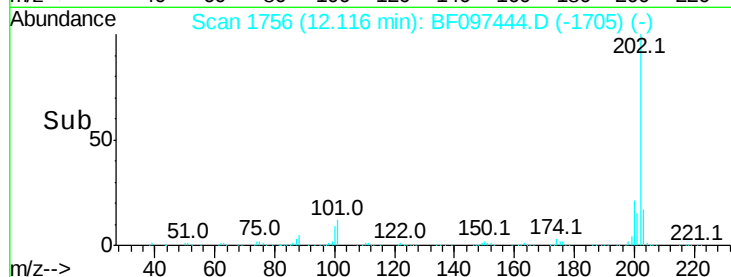
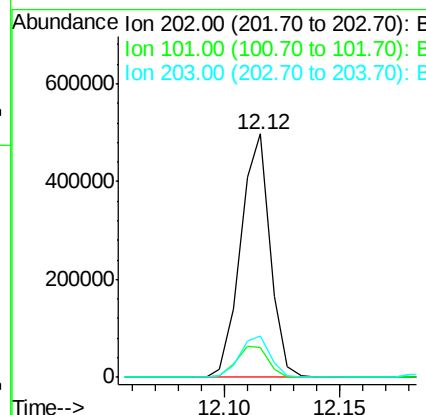
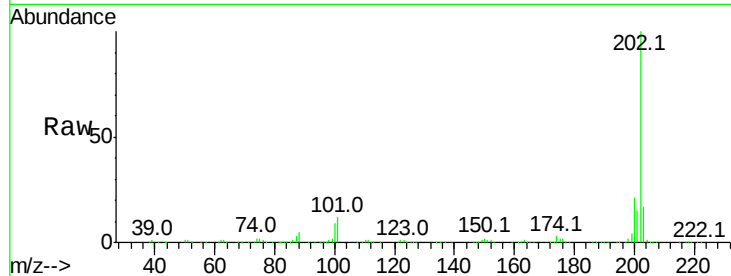
ClientSampled :

TEC-WW

Tot Ion:	202	Resp:	444130
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	33.2
203	16.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

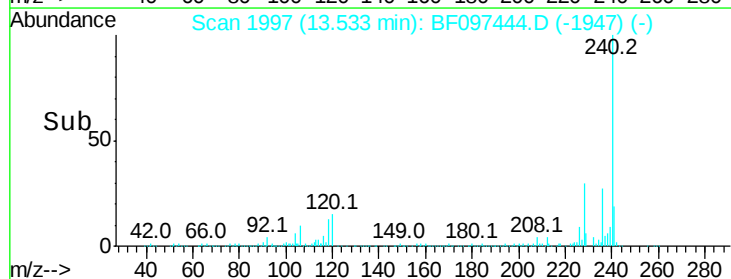
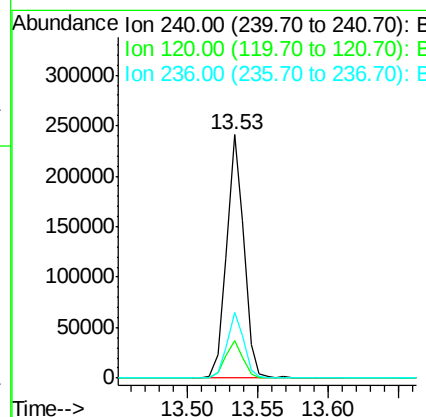
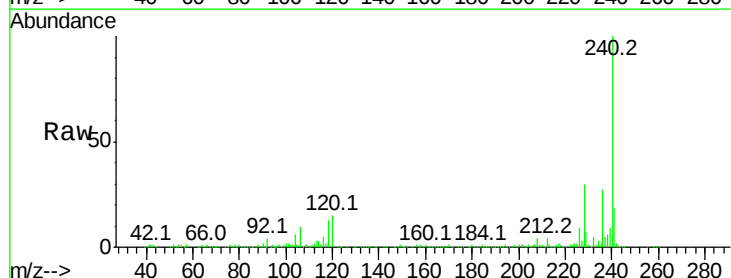
RT: 13.53 min Scan# 1997

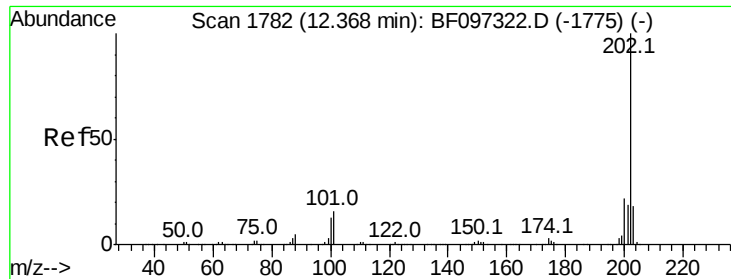
Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Tgt Ion:	240	Resp:	206635
Ion Ratio	Lower	Upper	
240	100		
120	15.2	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 22.449 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Instrument :

BNA_F

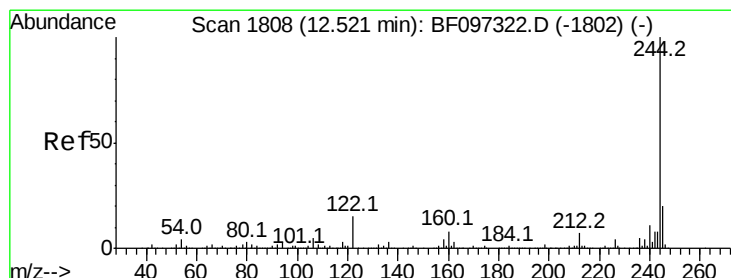
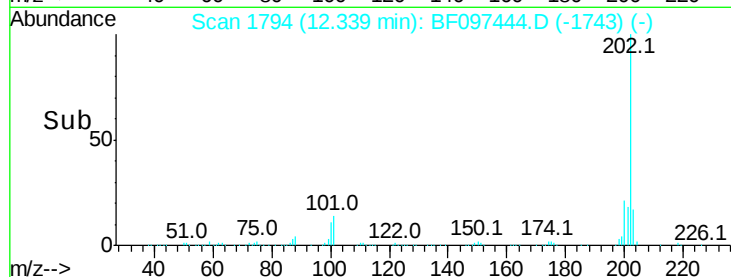
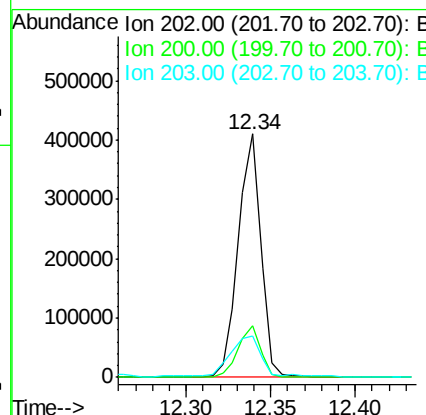
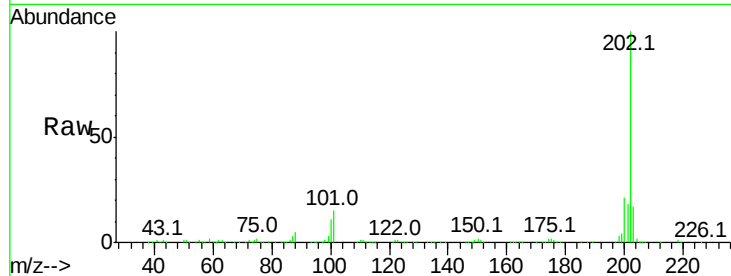
ClientSampled :

TEC-WW

Tot Ion:	202	Resp:	379757
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 40.230 ng

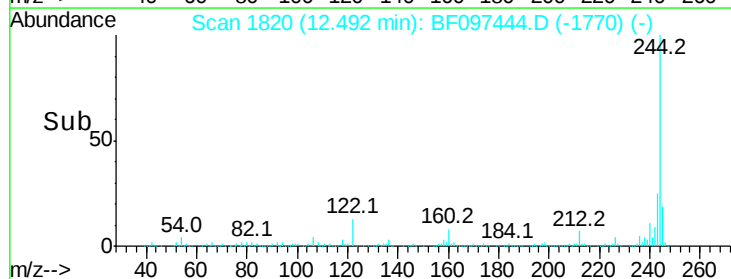
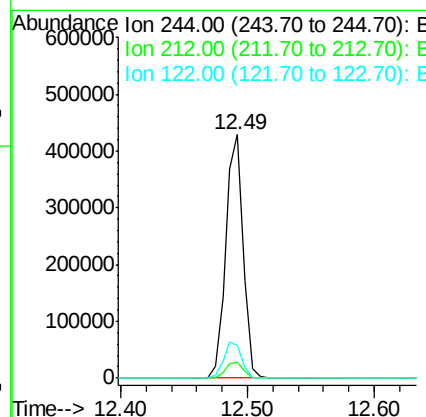
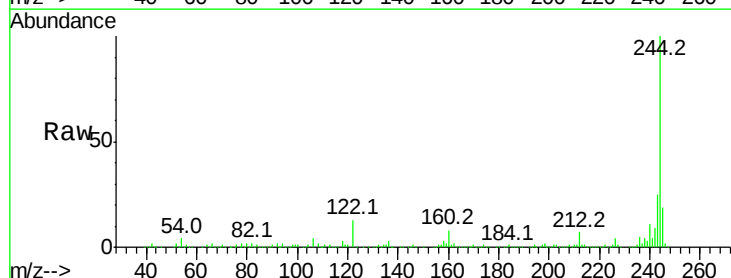
RT: 12.49 min Scan# 1820

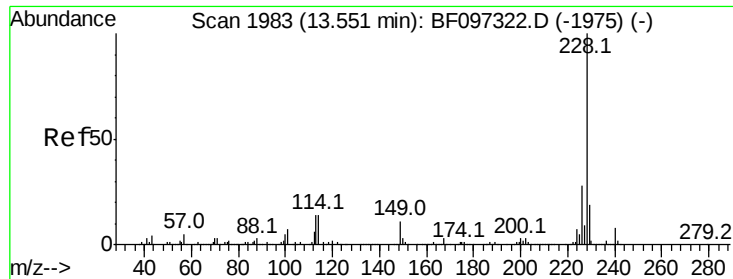
Delta R.T. -0.01 min

Lab File: BF097444.D

Acq: 7 Aug 2017 22:16

Tgt Ion:	244	Resp:	407730
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	13.5	10.3	15.5





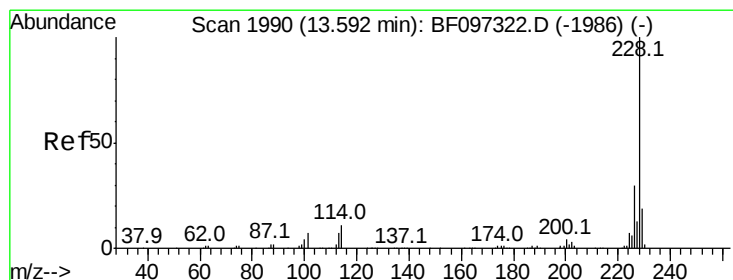
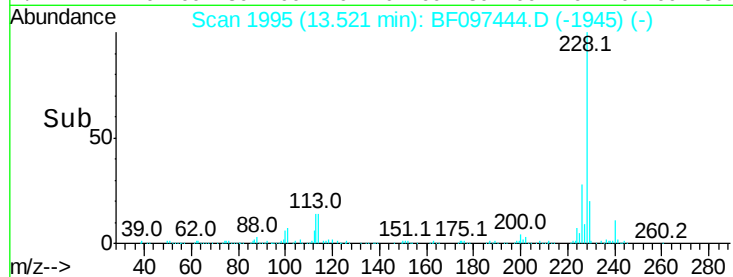
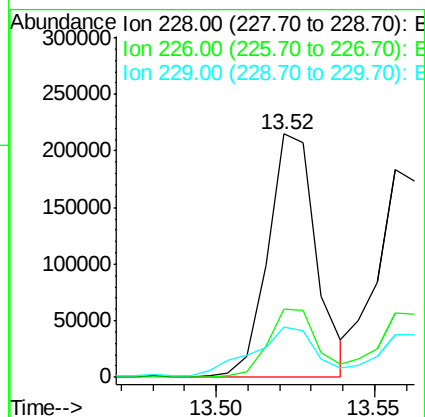
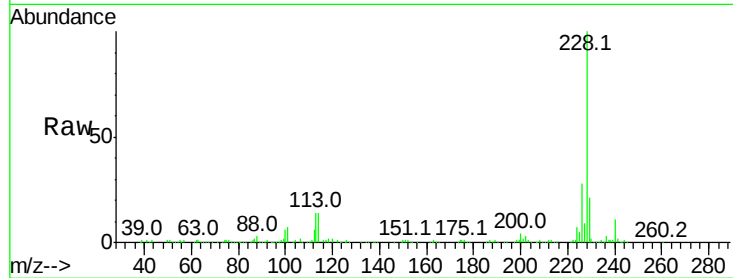
#80
Benzo(a)anthracene
Concen: 17.012 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampleId :
TEC-WW

Tot Ion:228	Resp:	227455
Ion Ratio	Lower	Upper
228	100	
226	28.2	22.6 33.8
229	20.6	16.3 24.5

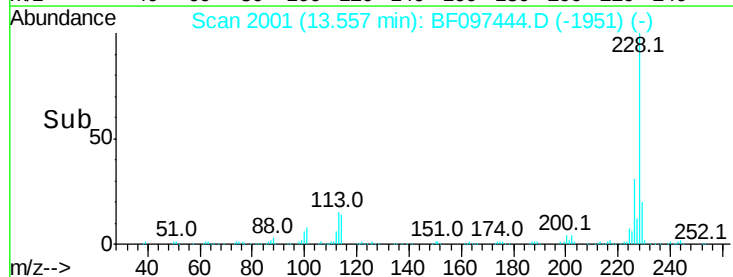
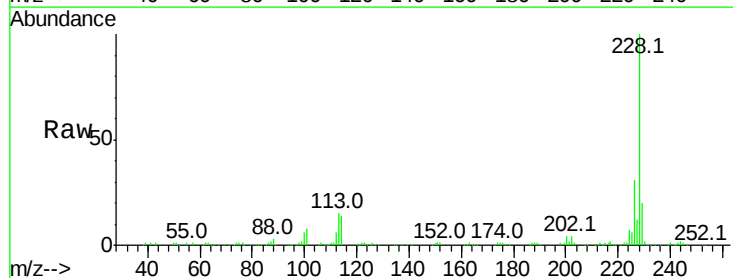
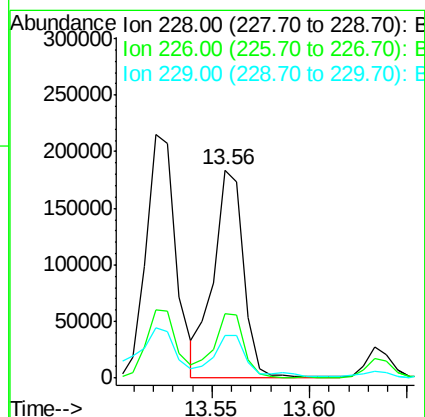
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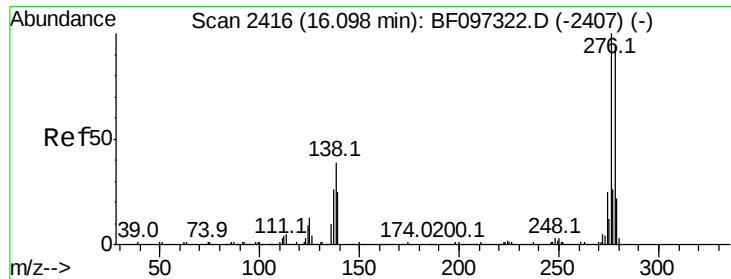
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#82
Chrysene
Concen: 15.032 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion:228	Resp:	196254
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.9 37.3
229	20.3	15.8 23.6





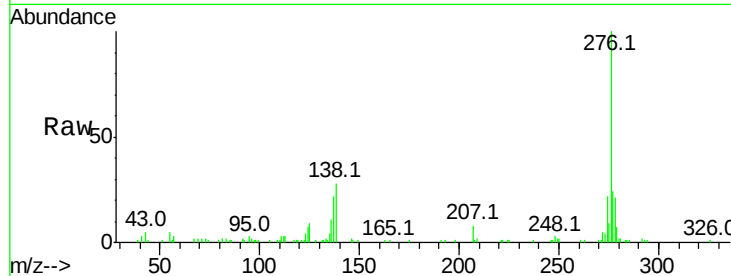
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.955 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampled :
TEC-WW

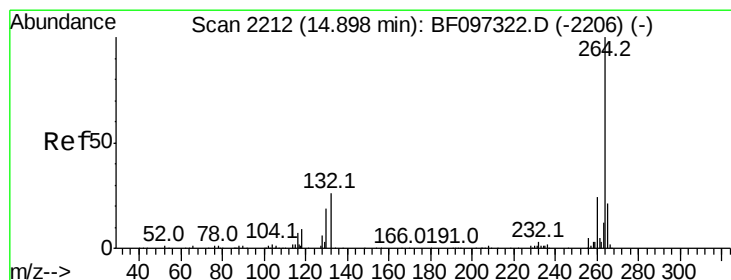
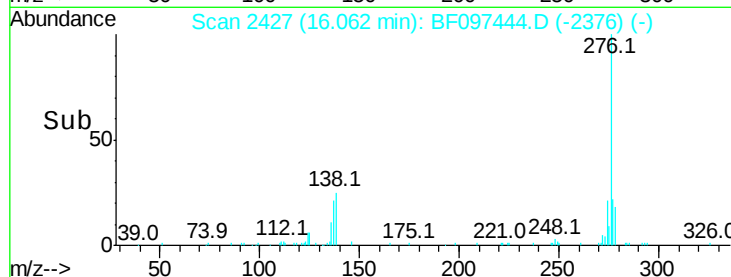
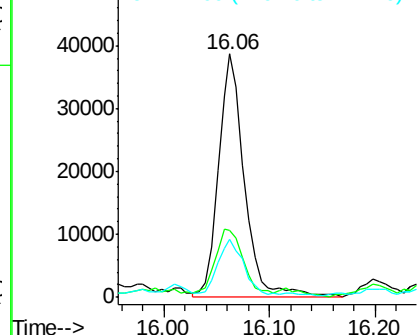
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	23.4	20.2	30.4

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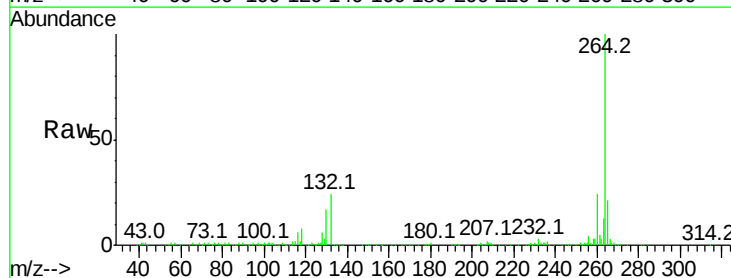


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

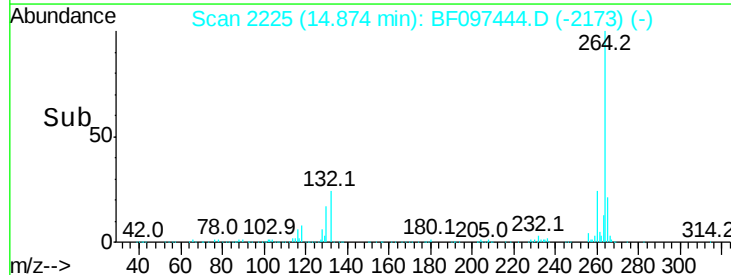
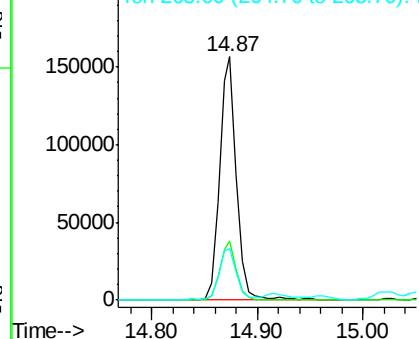


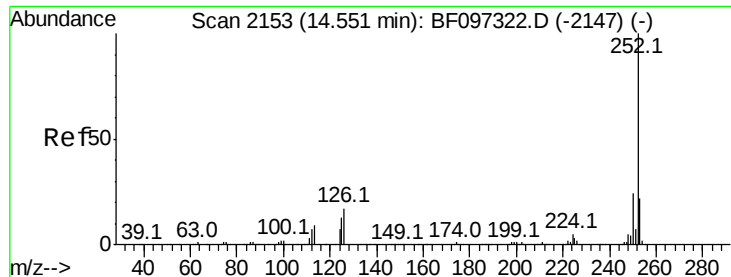
#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.1	17.2	25.8



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





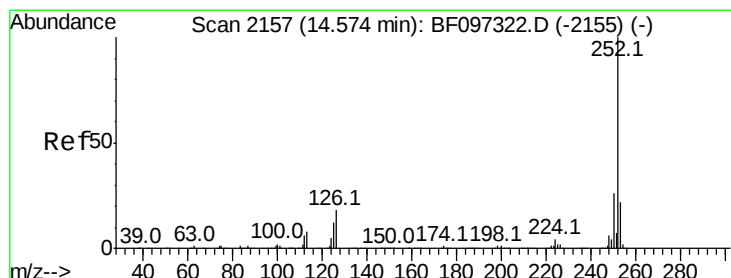
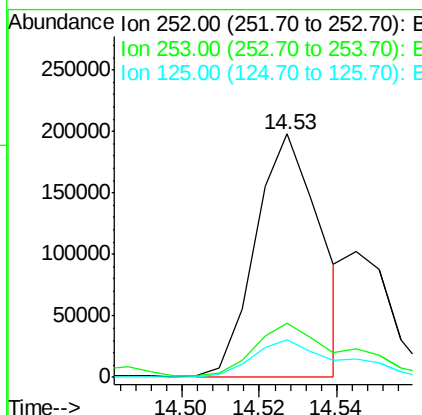
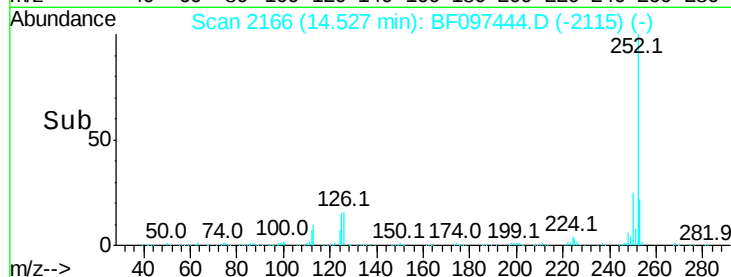
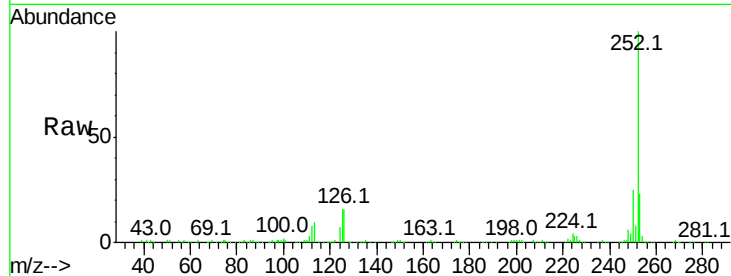
#87
Benzo(b)fluoranthene
Concen: 21.841 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampled :
TEC-WW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.6	9.8	14.8

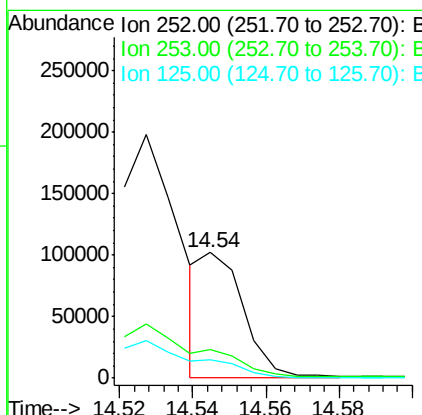
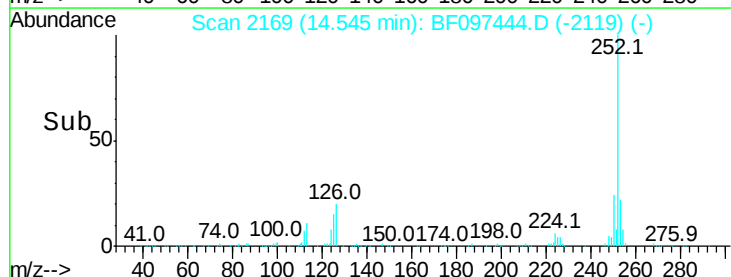
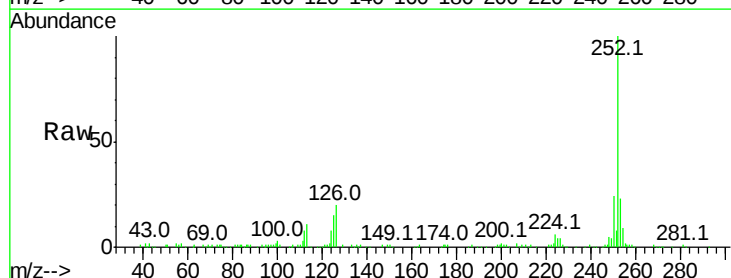
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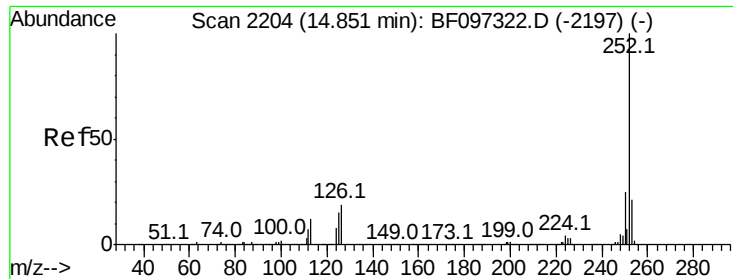
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#88
Benzo(k)fluoranthene
Concen: 8.203 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	14.9	13.1	19.7





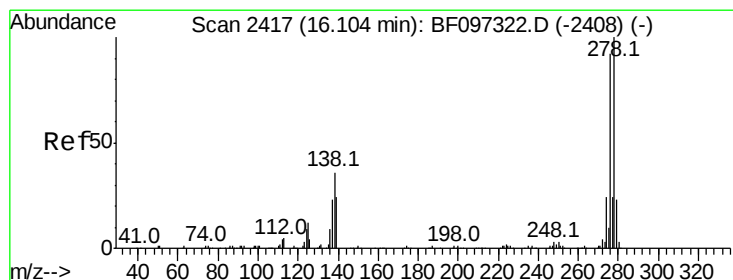
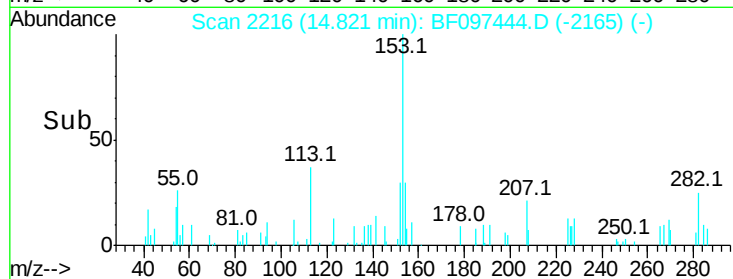
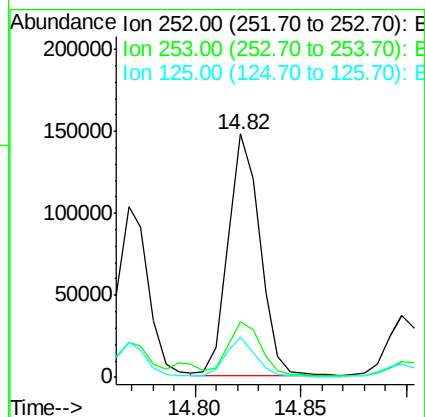
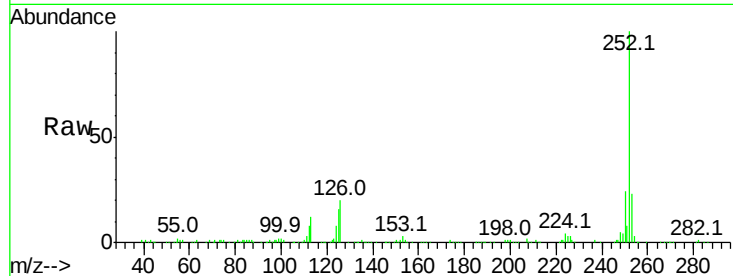
#89
Benzo(a)pyrene
Concen: 15.891 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Instrument :
BNA_F
ClientSampled :
TEC-WW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	16.4	11.0	16.4

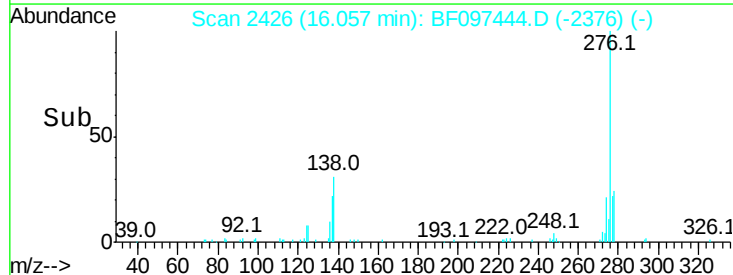
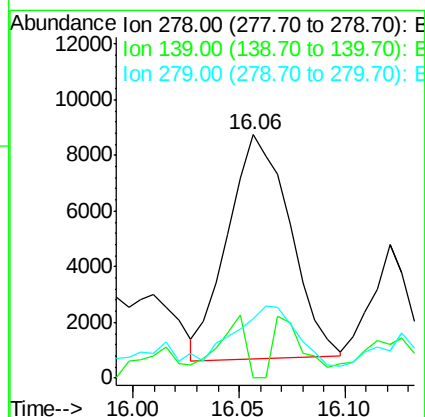
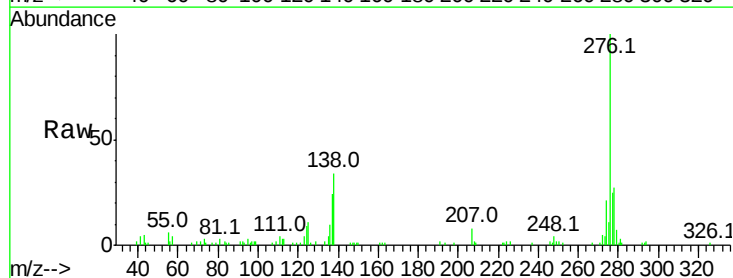
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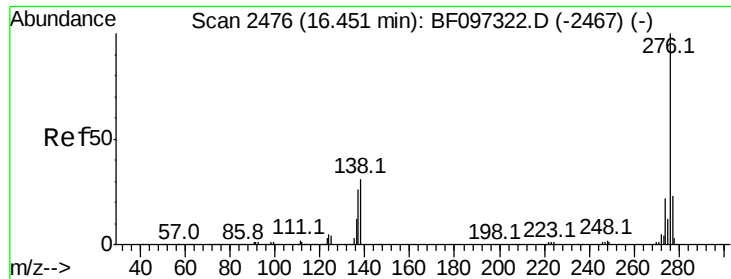
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#90
Dibenzo(a,h)anthracene
Concen: 2.079 ng
RT: 16.06 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BF097444.D
Acq: 7 Aug 2017 22:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	24.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.485 ng
 RT: 16.42 min Scan# 2487
 Delta R.T. 0.01 min
 Lab File: BF097444.D
 Acq: 7 Aug 2017 22:16

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WW

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	31.9	25.4	38.0

Manual Integrations
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