

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097104.D
 Acq On : 27 Jul 2017 4:38
 Operator : SJ/JU
 Sample : I4397-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Manual Integrations
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 7/27/2017 12:31:43 PM

Quant Time: Jul 27 09:40:34 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	6.50	152	84295	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	321442	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	119565	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	192256	20.00	ng	0.00
75) Chrysene-d12	13.63	240	170640	20.00	ng	0.00
86) Perylene-d12	14.98	264	129747	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	689326	123.28	ng	0.00
7) Phenol-d6	6.16	99	727144	113.91	ng	0.00
23) Nitrobenzene-d5	7.06	82	386177	70.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.32	330	106064	112.28	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	625055	88.72	ng	-0.01
78) Terphenyl-d14	12.59	244	466149	55.70	ng	0.00
Target Compounds						
10) Phenol	6.17	94	30411	4.016	ng	84
49) Dimethylphthalate	9.26	163	119981	13.214	ng	98
70) Phenanthrene	11.02	178	79060	7.675	ng	98
71) Anthracene	11.07	178	24405	2.313	ng	96
74) Fluoranthene	12.20	202	148411	14.706	ng	98
77) Pyrene	12.43	202	120518	8.627	ng	97
80) Benzo(a)anthracene	13.62	228	58269	5.277	ng	97
82) Chrysene	13.65	228	46595	4.322	ng	95
85) Indeno(1,2,3-cd)pyrene	16.21	276	18690	2.022	ng	95
87) Benzo(b)fluoranthene	14.62	252	55315m	7.092	ng	
88) Benzo(k)fluoranthene	14.64	252	17968m	2.418	ng	
89) Benzo(a)pyrene	14.93	252	33814	4.737	ng	# 94
91) Benzo(a,h,i)perylene	16.57	276	18085	2.946	ng	92

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

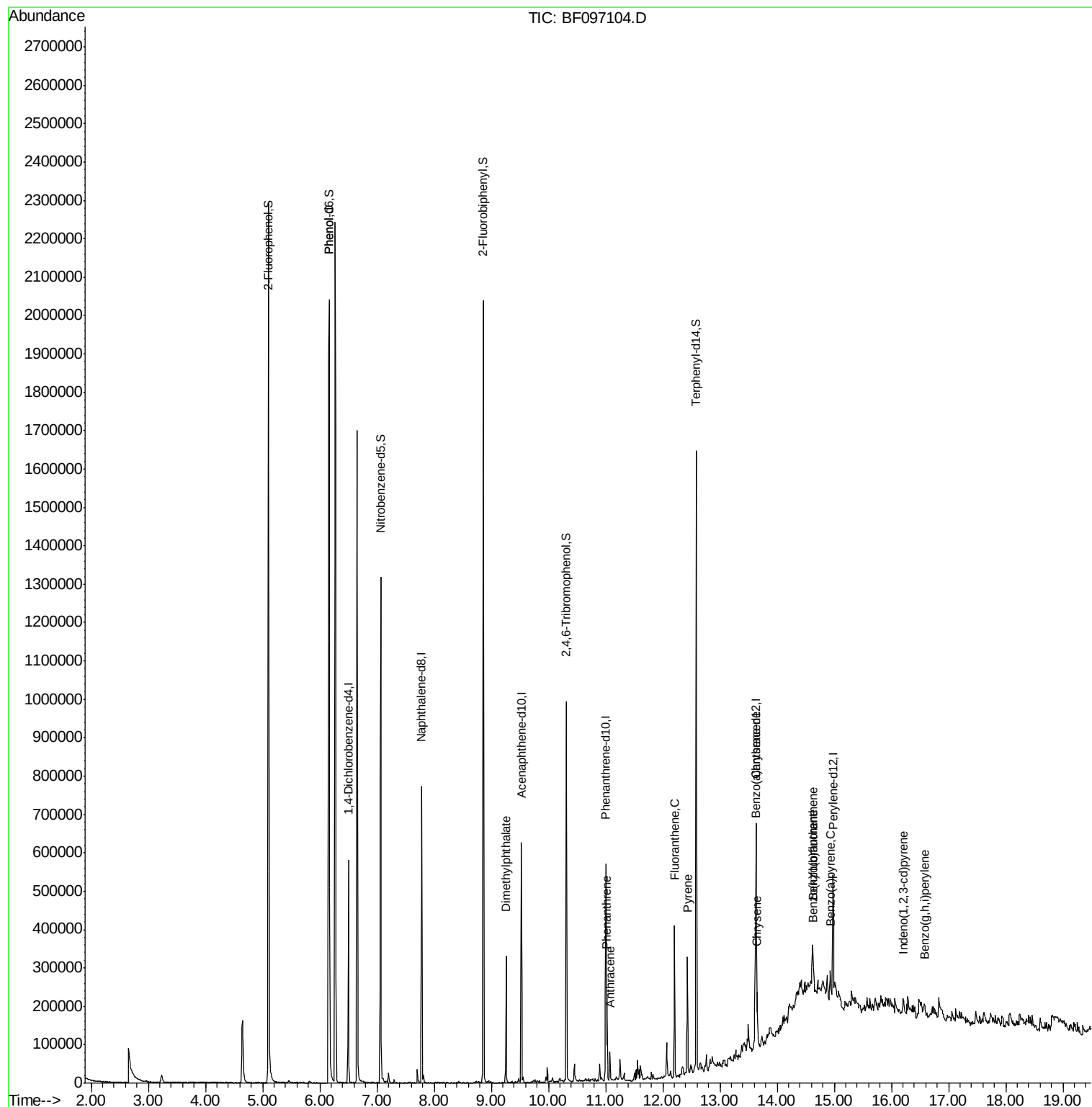
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
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ALS Vial : 25 Sample Multiplier: 1

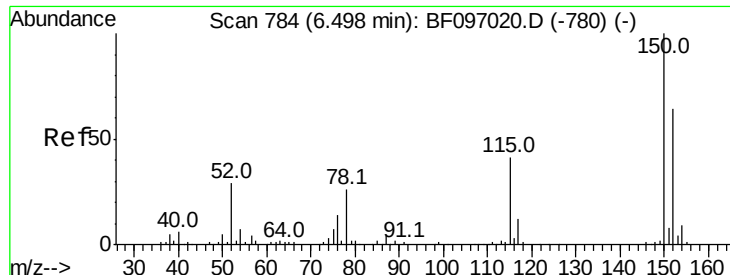
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#1

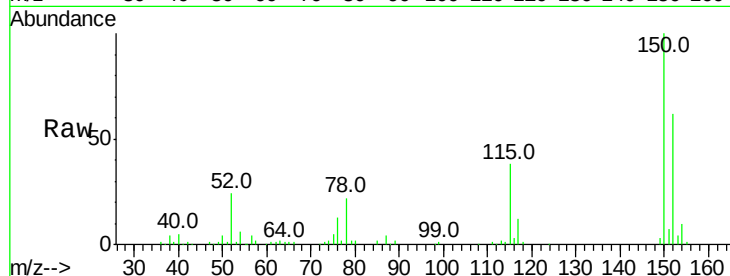
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

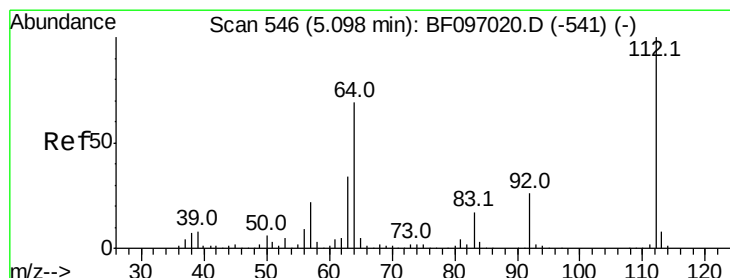
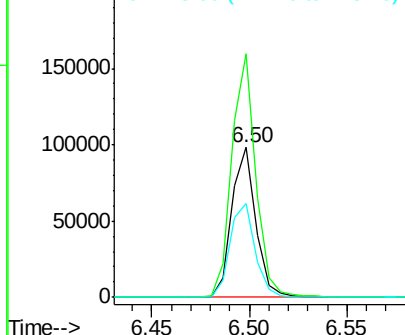
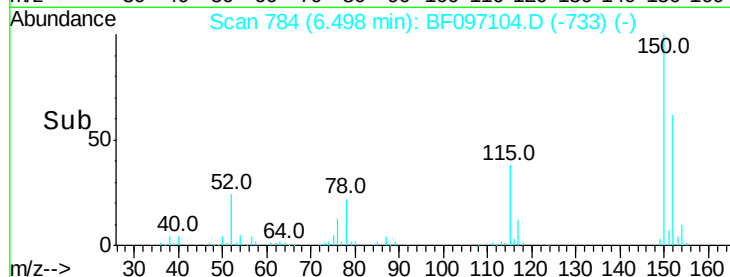
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.2	189.2
115	62.5	52.2	78.2

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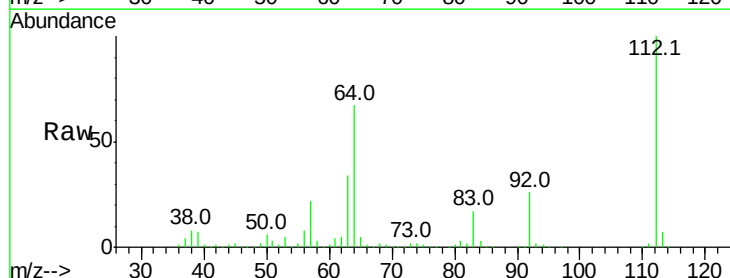
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



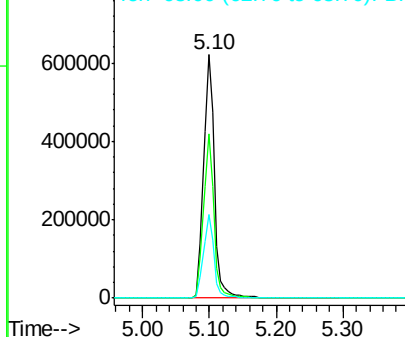
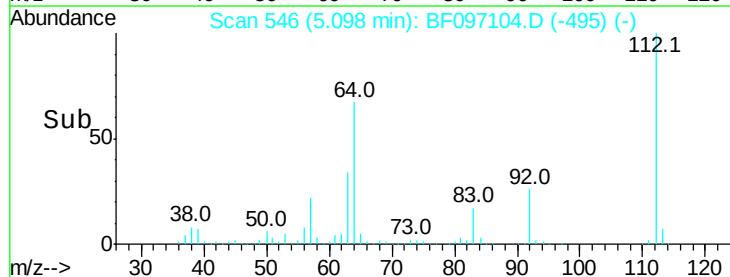
#5

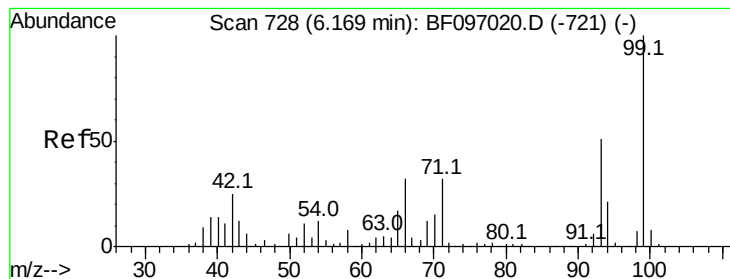
2-Fluorophenol
Concen: 123.276 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	46.0	69.0
63	34.2	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: 113.907 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097104.D

Acq: 27 Jul 2017 4:38

Instrument :

BNA_F

ClientSampleId :

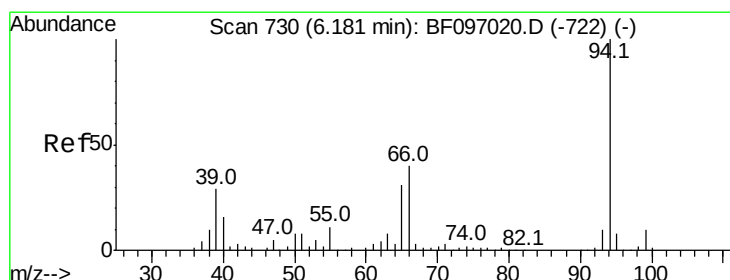
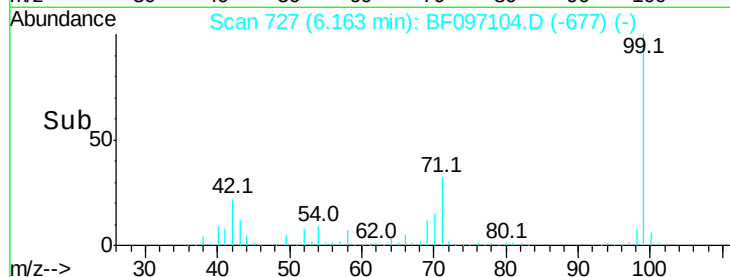
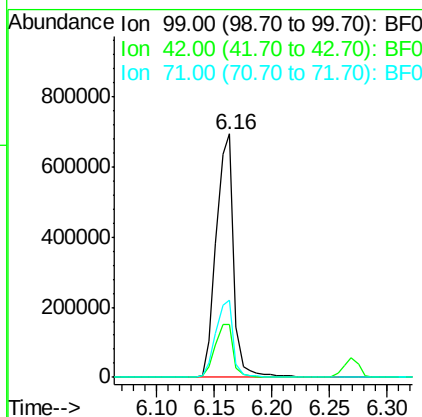
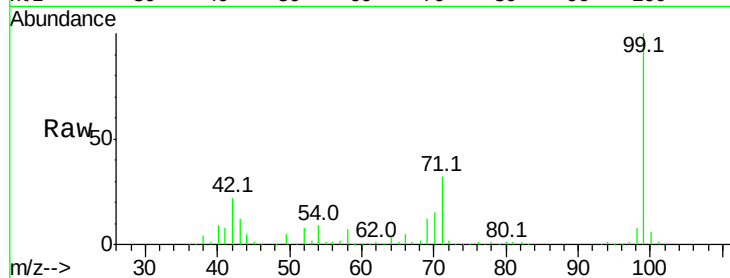
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Tot Ion:	99	Resp:	727144
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	31.8	24.5	36.7

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#10

Phenol

Concen: 4.016 ng

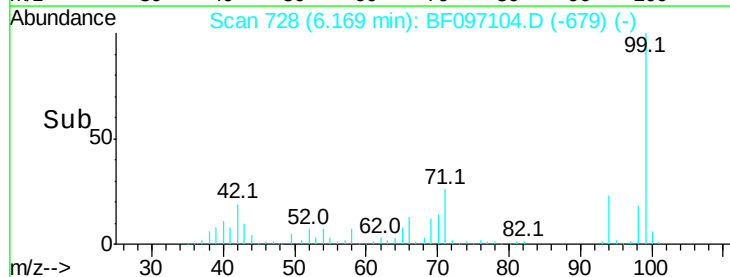
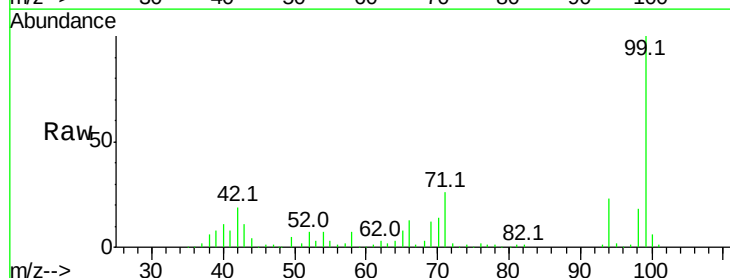
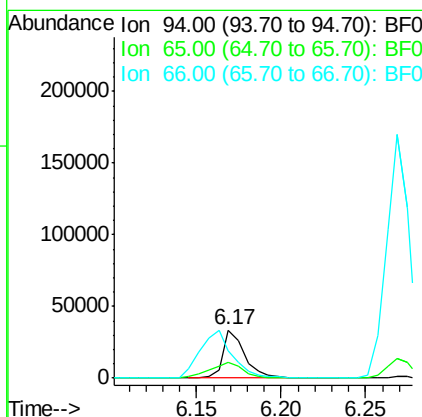
RT: 6.17 min Scan# 728

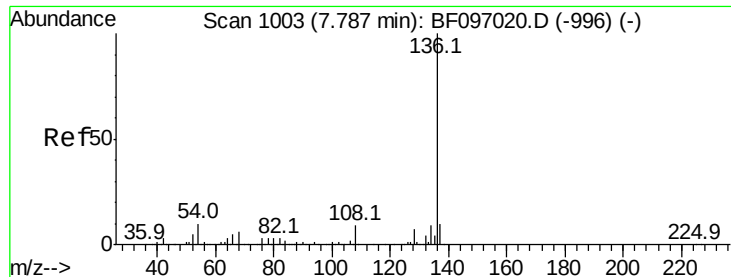
Delta R.T. -0.01 min

Lab File: BF097104.D

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Tgt Ion:	94	Resp:	30411
Ion Ratio	Lower	Upper	
94	100		
65	33.8	9.9	49.9
66	57.2	23.1	63.1





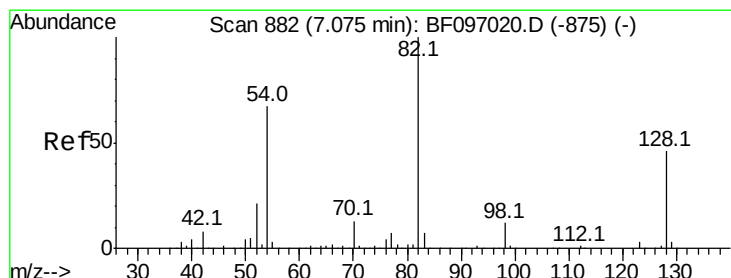
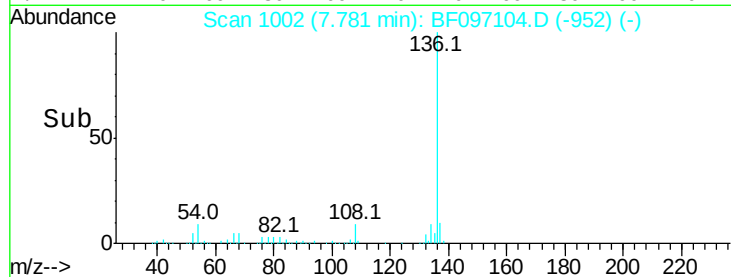
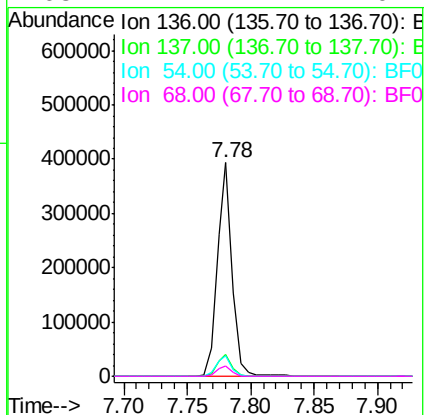
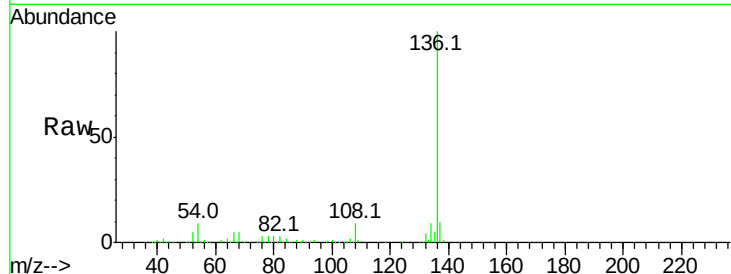
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.5	12.7	
54	9.4	4.9	7.3#	
68	4.7	4.1	6.1	

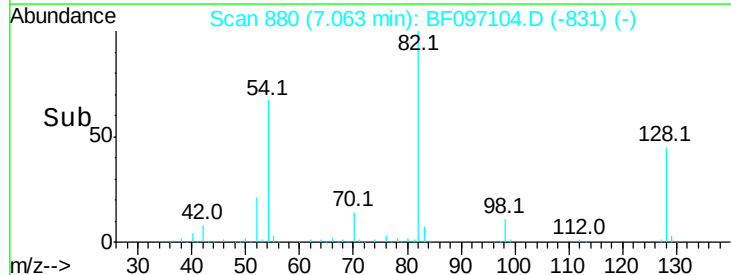
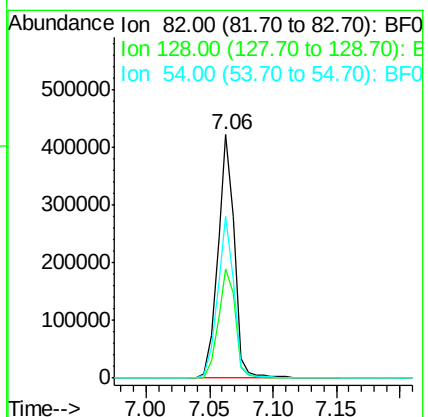
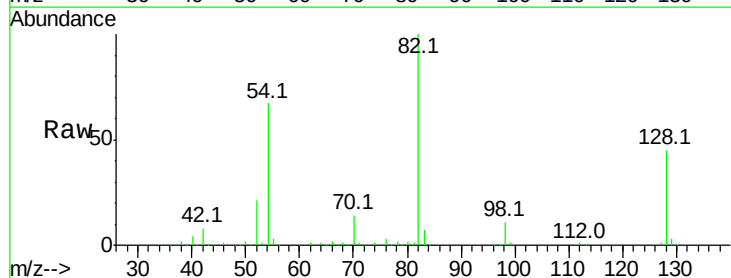
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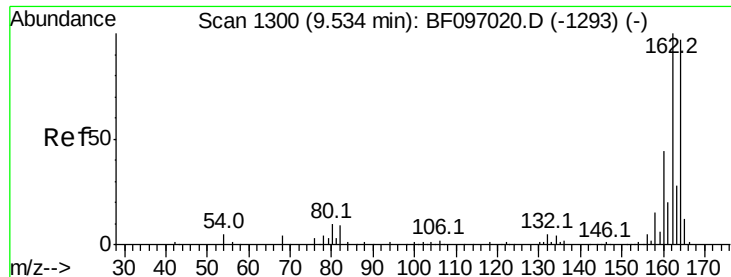
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#23
Nitrobenzene-d5
Concen: 70.478 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097104.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	34.0	51.0	
54	66.5	42.2	63.2#	





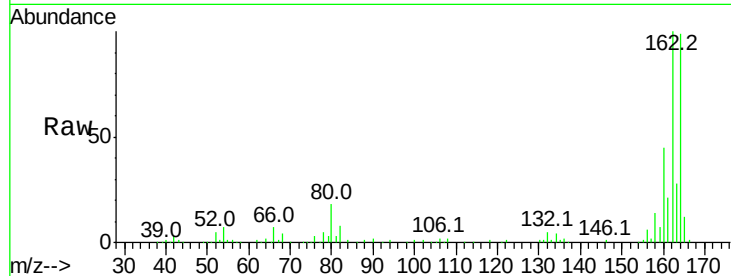
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097104.D
 Acq: 27 Jul 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

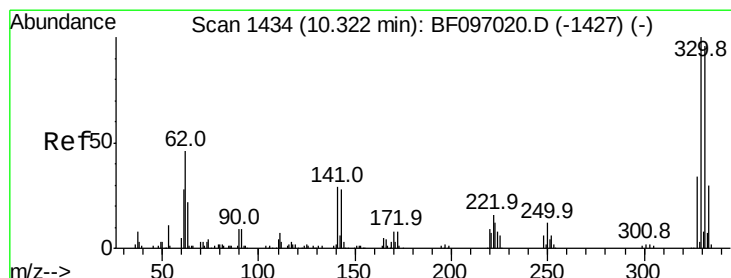
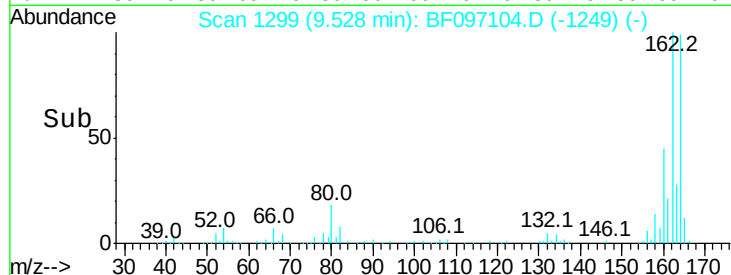
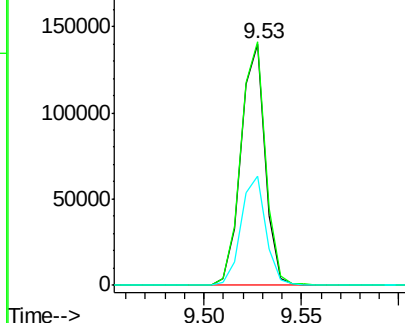
Tot Ion	Ratio	Resp	Lower	Upper
164	100	119565		
162	100.8	82.6	123.8	
160	45.0	36.2	54.2	

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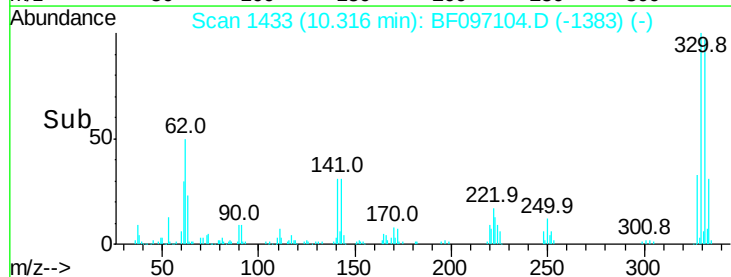
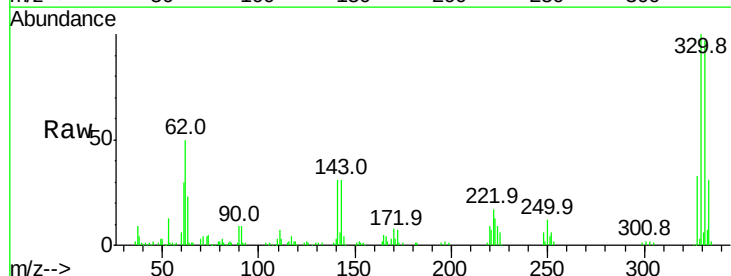
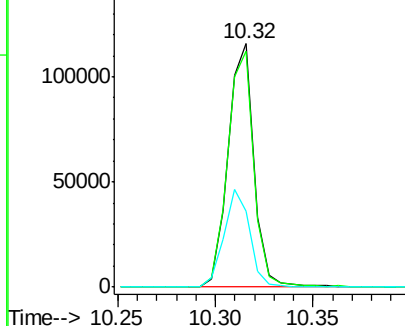
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

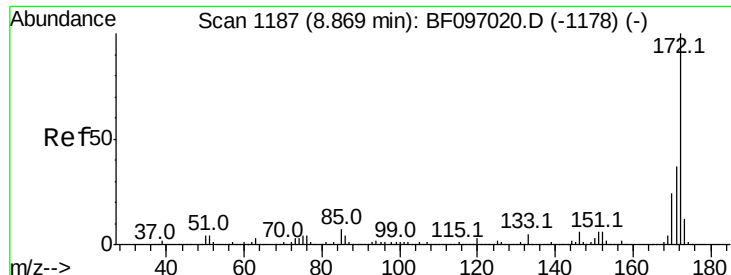


#41
 2,4,6-Tribromophenol
 Concen: 112.275 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097104.D
 Acq: 27 Jul 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	106064		
332	98.9	76.6	115.0	
141	40.1	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





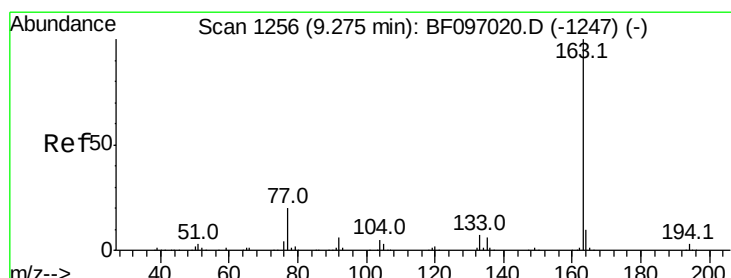
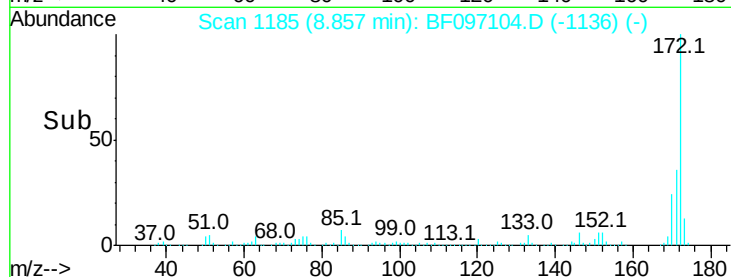
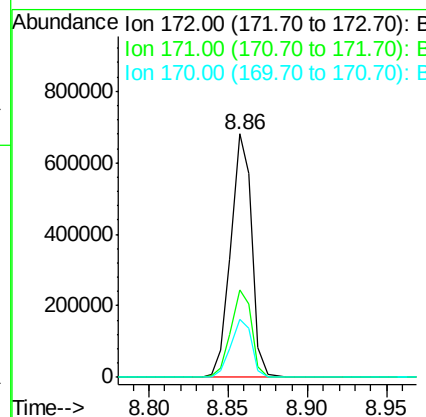
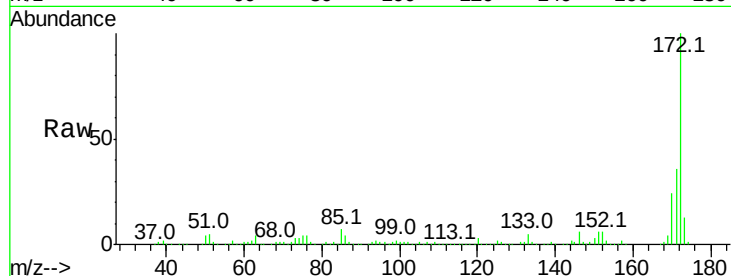
#44
2-Fluorobiphenyl
Concen: 88.720 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.8	19.8	29.8

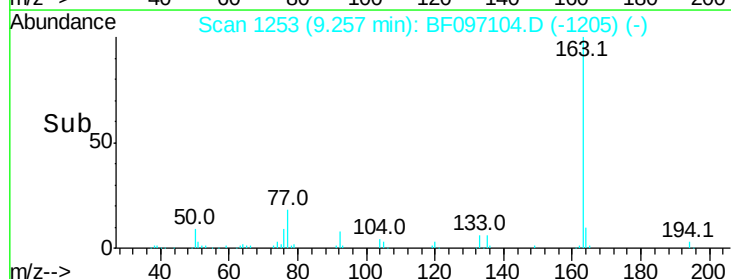
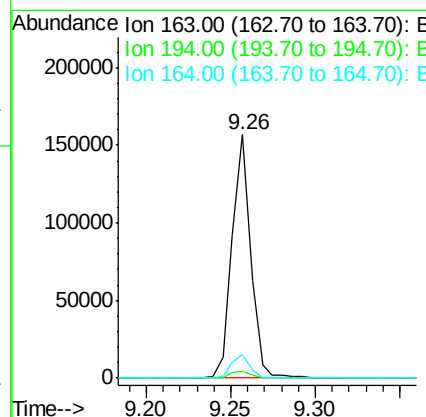
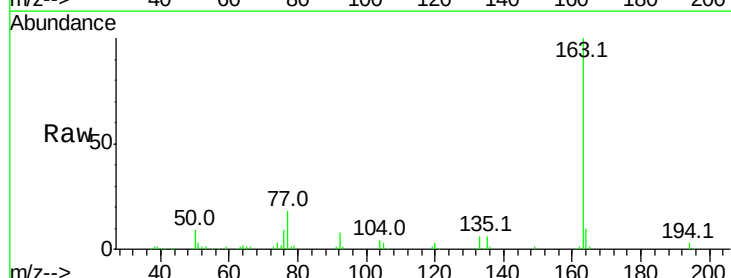
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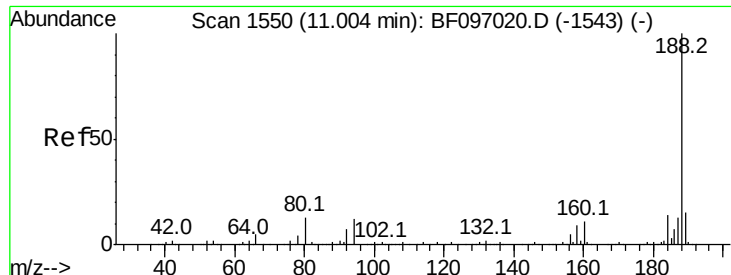
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#49
Dimethylphthalate
Concen: 13.214 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097104.D
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Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.7	8.4	12.6





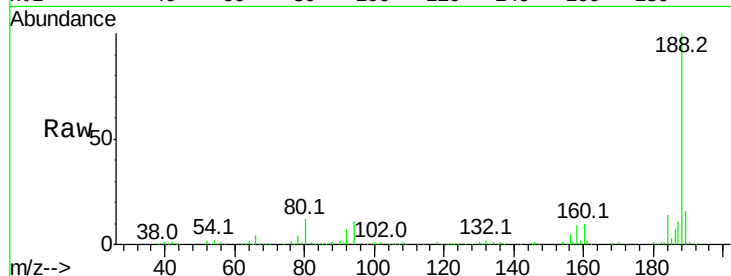
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
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ClientSampleId :
T-1A-14.5-15.0-072117

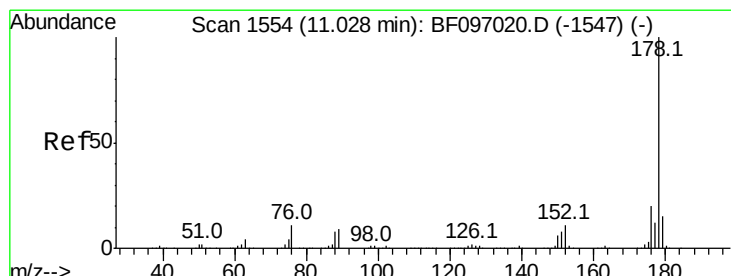
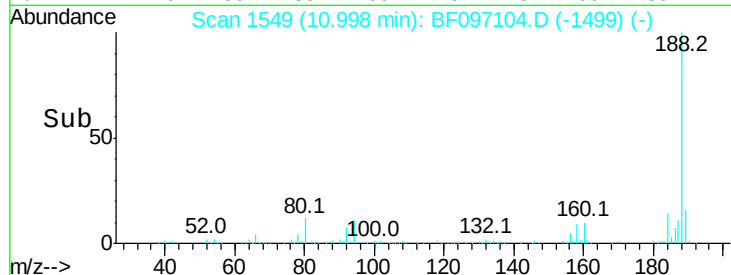
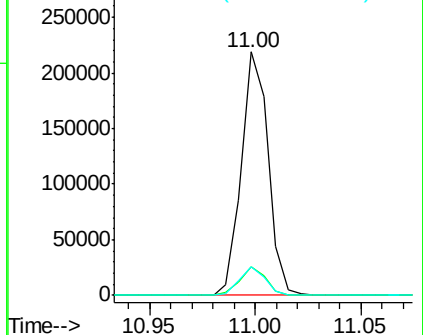
Tot Ion	Ratio	Resp	Lower	Upper
188	100	192256		
94	11.5		9.4	14.2
80	12.0		10.2	15.2

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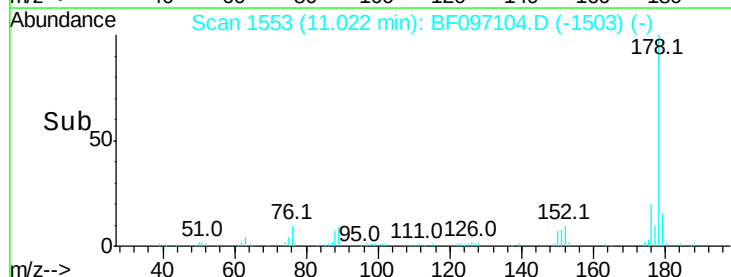
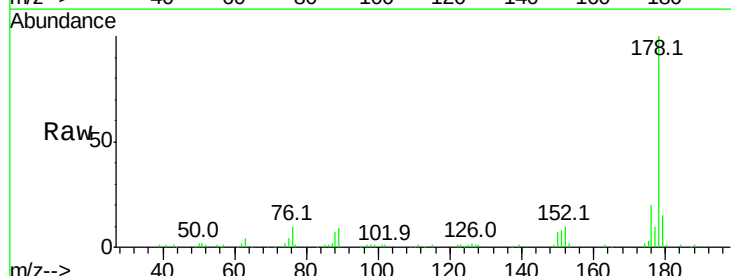
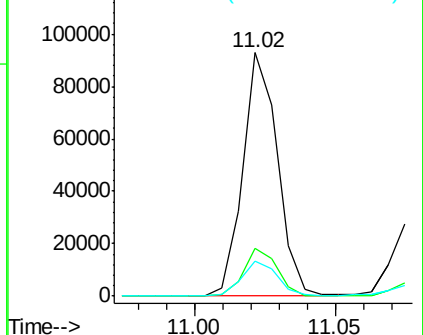
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

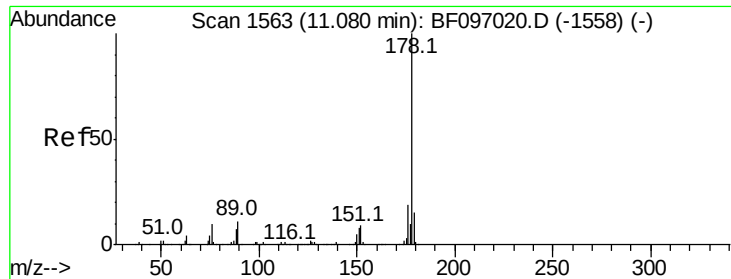


#70
Phenanthrene
Concen: 7.675 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	79060		
176	19.7		16.2	24.4
179	14.6		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





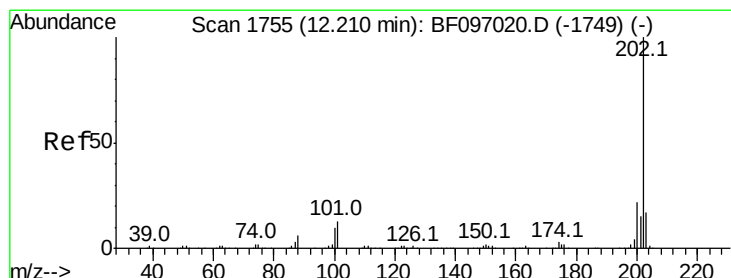
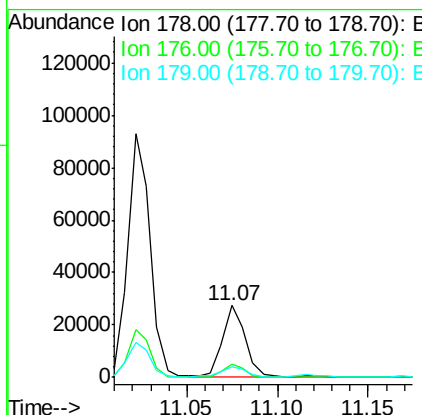
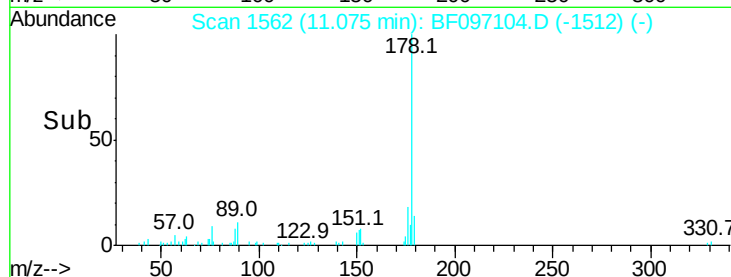
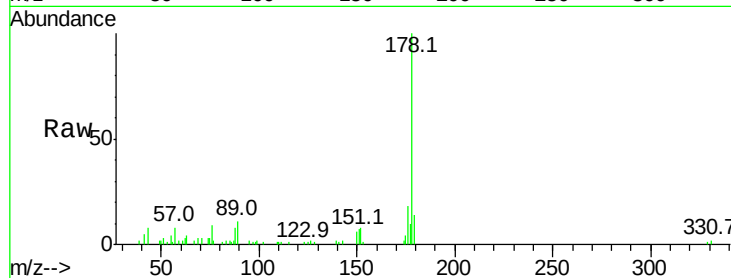
#71
 Anthracene
 Concen: 2.313 ng
 RT: 11.07 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: BF097104.D
 Acq: 27 Jul 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	14.2	12.7	19.1

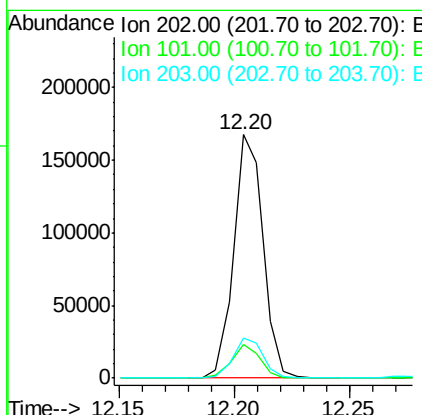
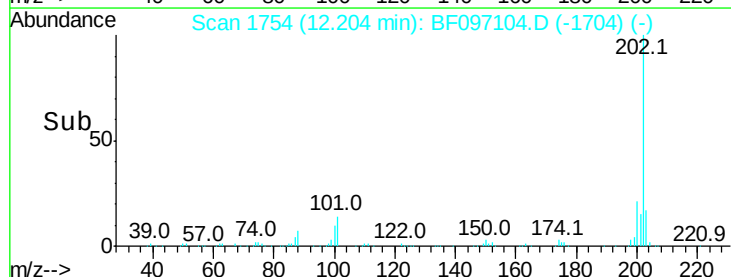
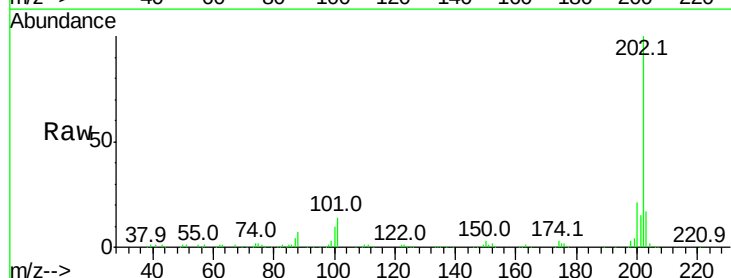
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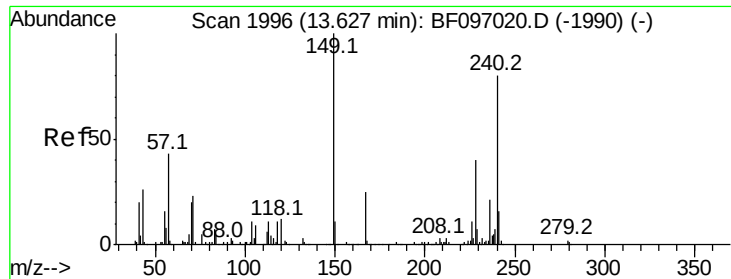
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#74
 Fluoranthene
 Concen: 14.706 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097104.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097104.D

Acq: 27 Jul 2017 4:38

Instrument :

BNA_F

ClientSampleId :

T-1A-14.5-15.0-072117

Tot Ion:240 Resp: 170640

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

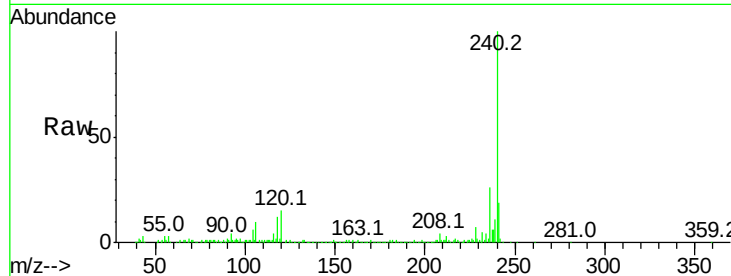
236 25.6 20.5 30.7

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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

250000

200000

150000

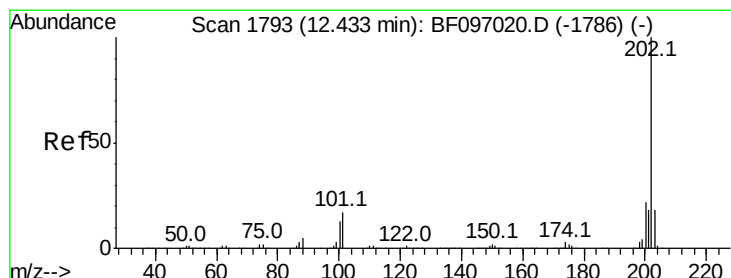
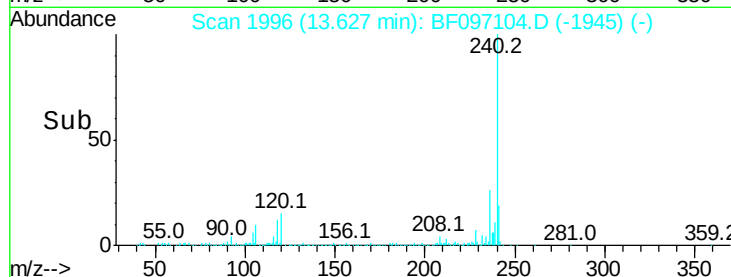
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#77

Pyrene

Concen: 8.627 ng

RT: 12.43 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF097104.D

Acq: 27 Jul 2017 4:38

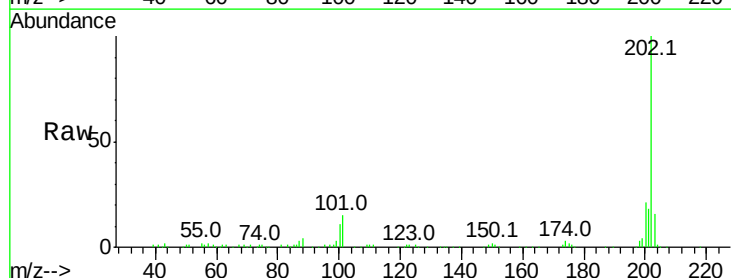
Tgt Ion:202 Resp: 120518

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

203 16.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

150000

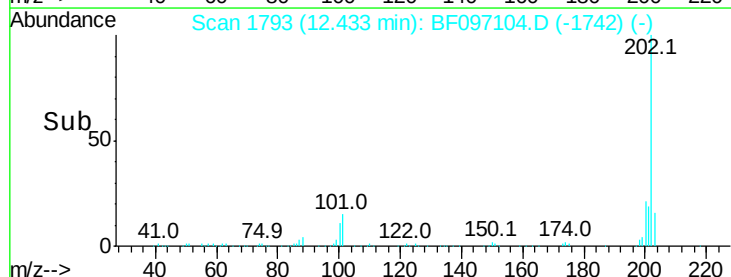
100000

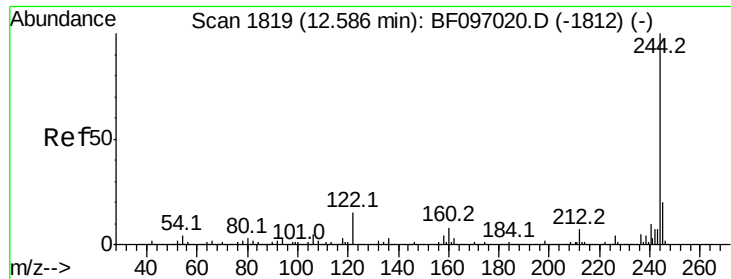
50000

0

12.40 12.45

Time-->





#78

Terphenyl-d14

Concen: 55.697 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097104.D

Acq: 27 Jul 2017 4:38

Instrument :

BNA_F

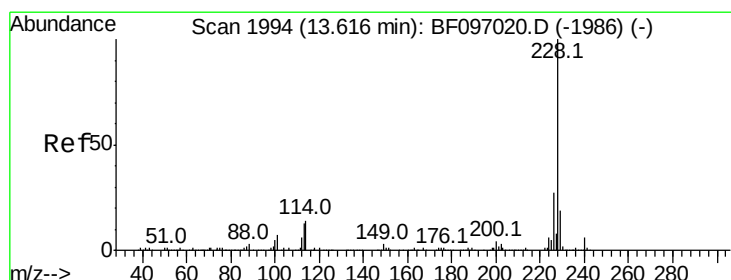
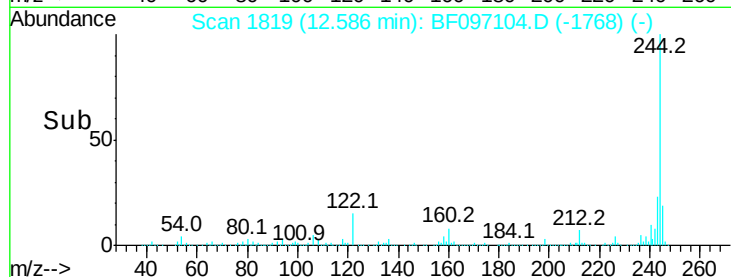
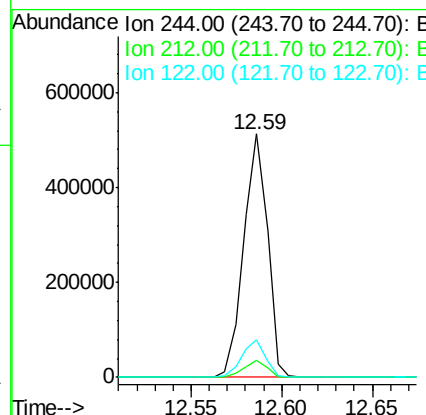
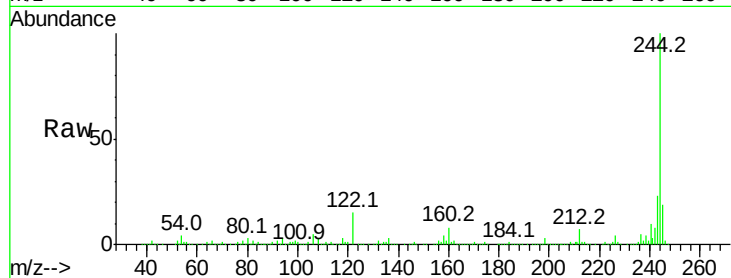
ClientSampleId :

T-1A-14.5-15.0-072117

Tot Ion:	244	Resp:	466149
Ion Ratio		Lower	Upper
244	100		
212	6.9	6.0	9.0
122	15.4	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 5.277 ng

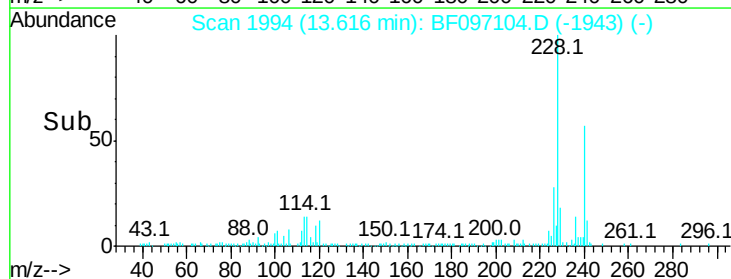
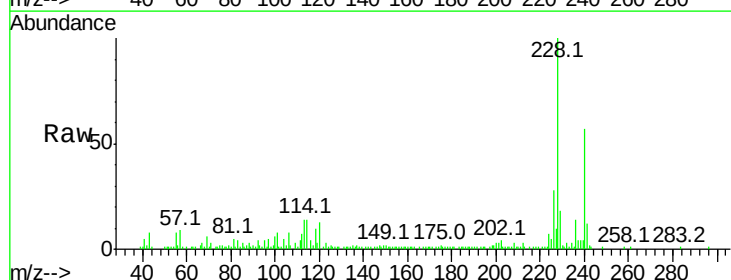
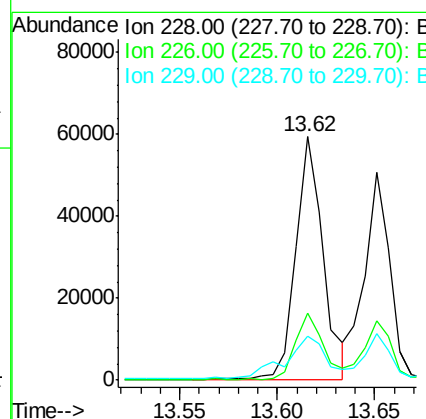
RT: 13.62 min Scan# 1994

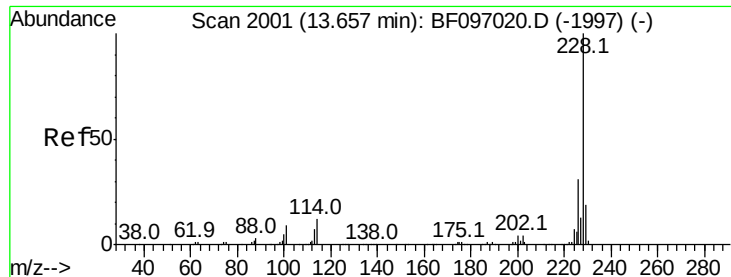
Delta R.T. -0.00 min

Lab File: BF097104.D

Acq: 27 Jul 2017 4:38

Tgt Ion:	228	Resp:	58269
Ion Ratio		Lower	Upper
228	100		
226	27.5	22.6	33.8
229	18.2	16.3	24.5





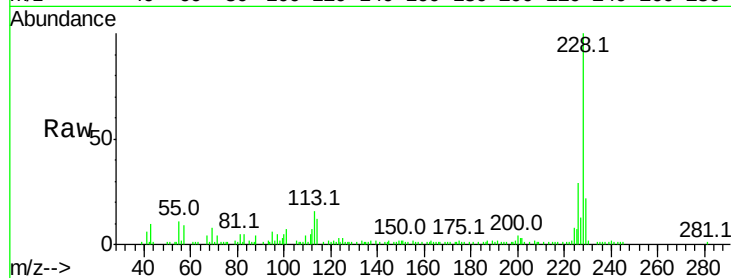
#82
Chrysene
Concen: 4.322 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.5	15.8	23.6

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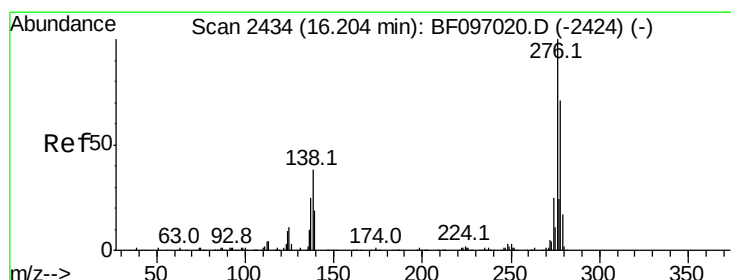
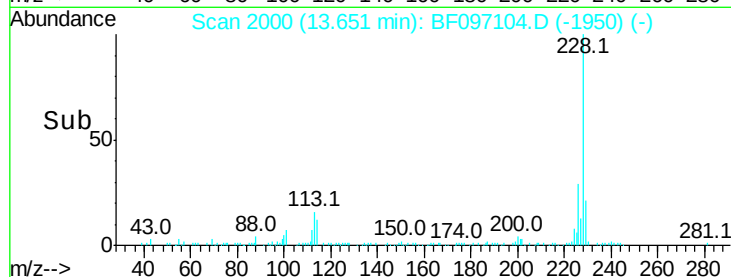
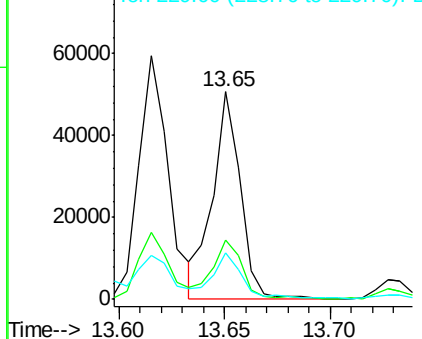


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.022 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

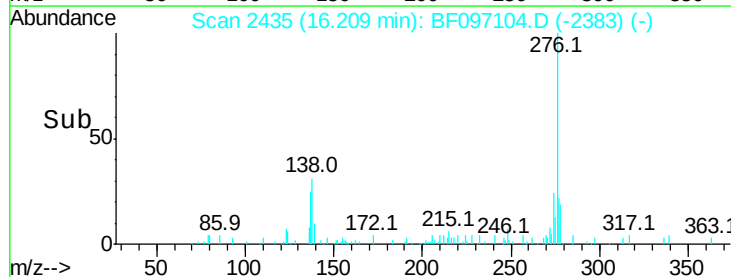
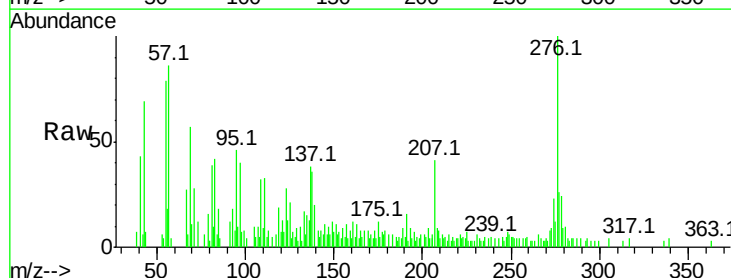
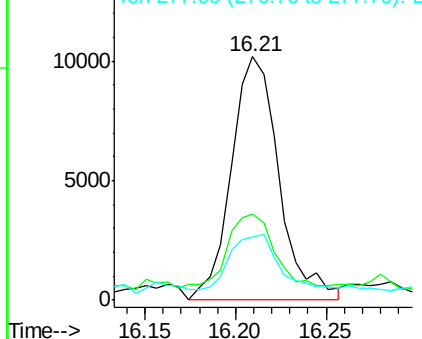
Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	23.1	20.2	30.4

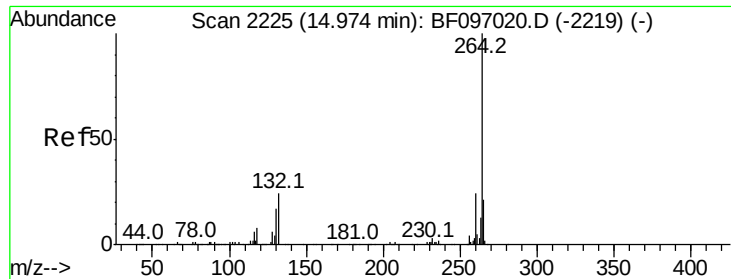
Abundance

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





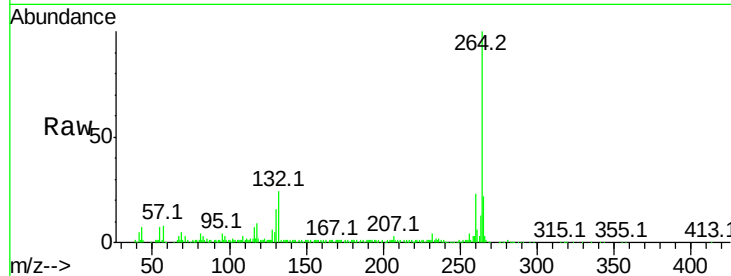
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.98 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.4	17.2	25.8

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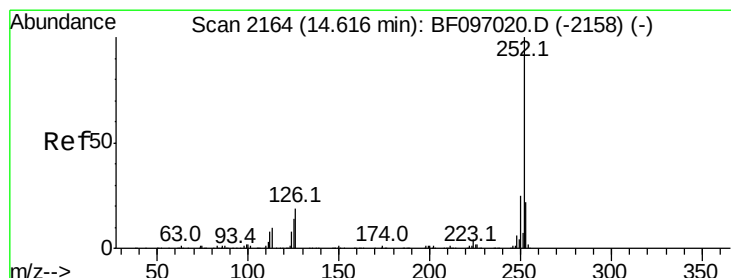
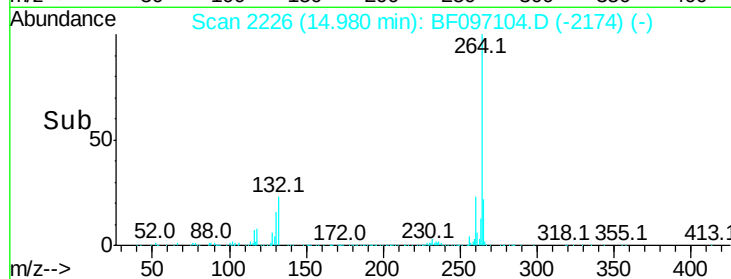
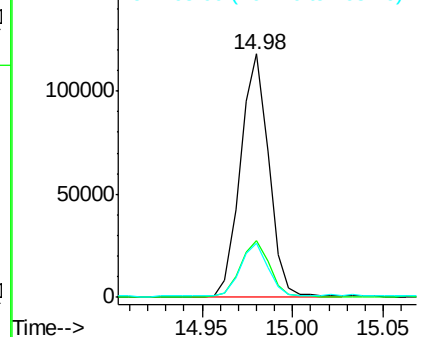


Abundance

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: 7.092 ng m
RT: 14.62 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

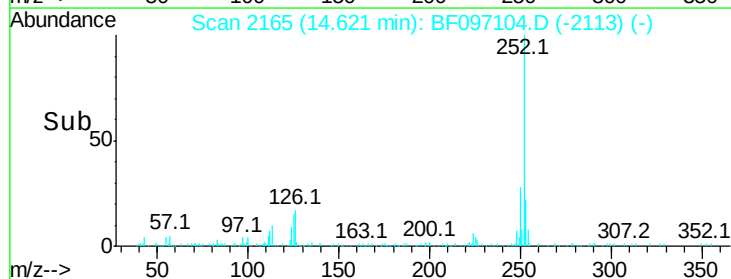
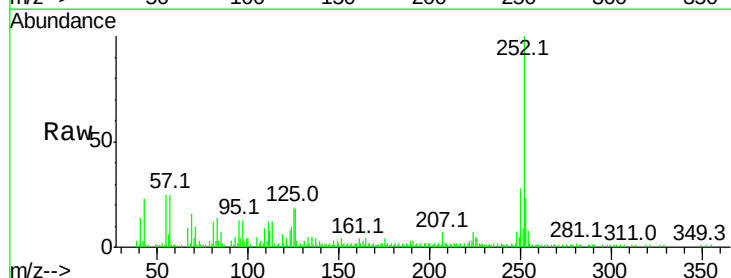
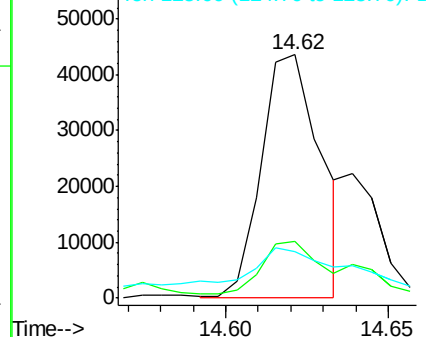
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	19.3	9.8	14.8#

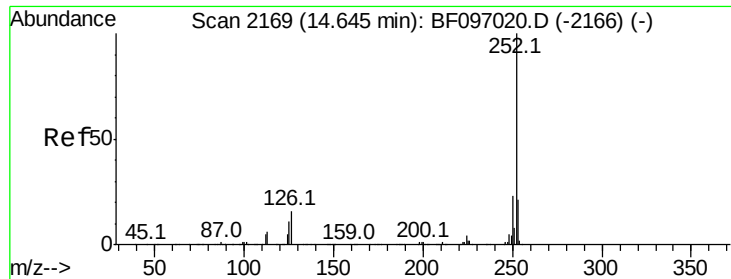
Abundance

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





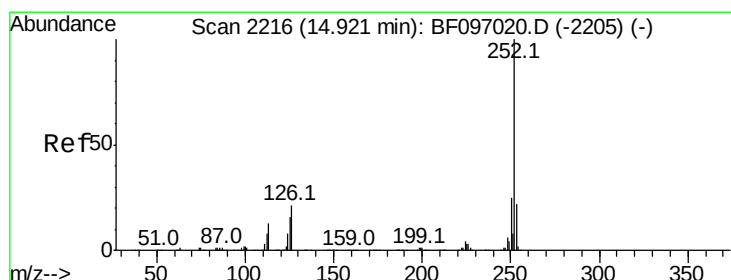
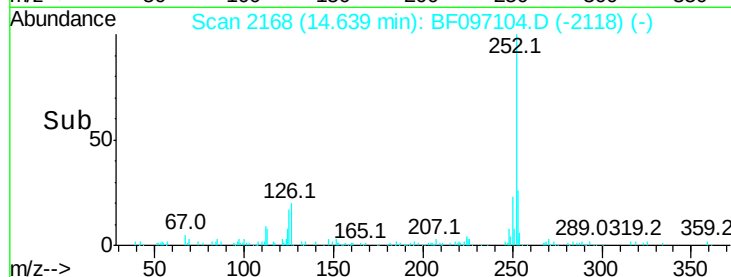
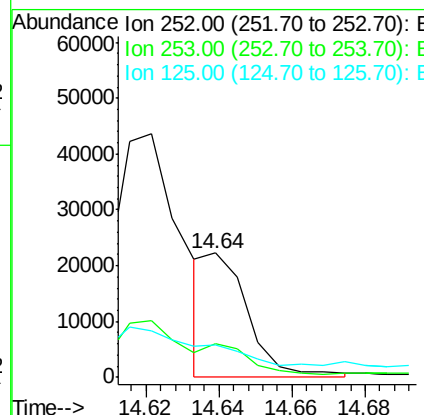
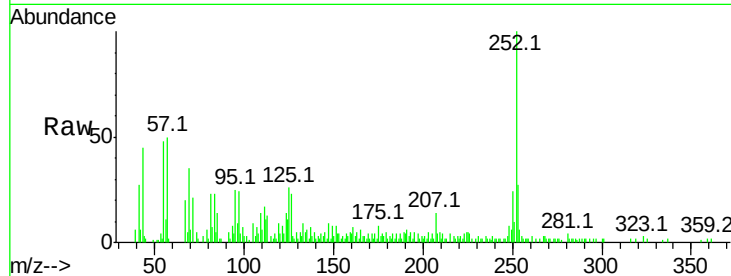
#88
Benzo(k)fluoranthene
Concen: 2.418 ng m
RT: 14.64 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	26.1	13.1	19.7

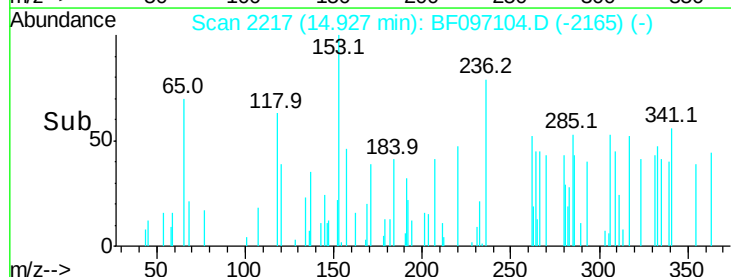
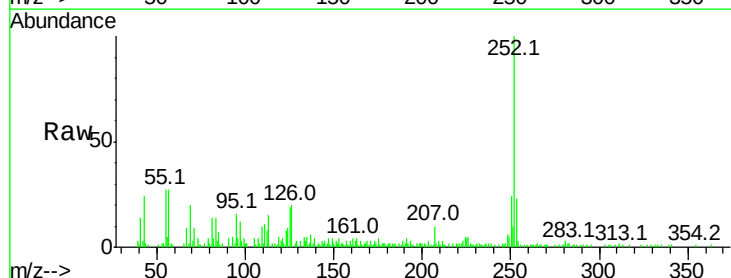
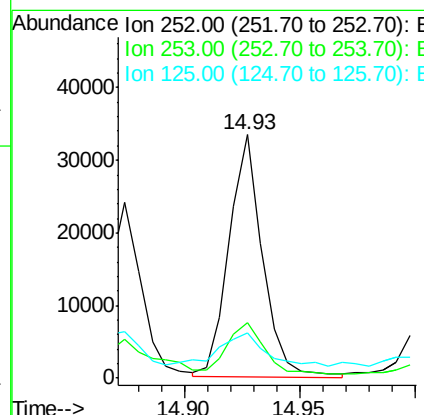
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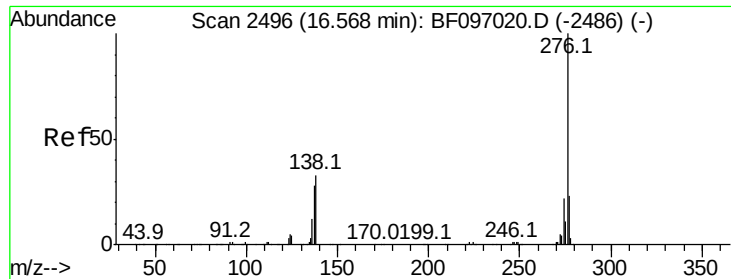
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#89
Benzo(a)pyrene
Concen: 4.737 ng
RT: 14.93 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097104.D
Acq: 27 Jul 2017 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	18.7	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.946 ng
 RT: 16.57 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BF097104.D
 Acq: 27 Jul 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.6	28.0
138	35.3	25.4	38.0

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