

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097027.D
 Acq On : 25 Jul 2017 14:27
 Operator : SJ/JU
 Sample : I4399-01 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:54:20 PM

Quant Time: Aug 01 11:07:53 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	139318	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	537182	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	256408	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	426976	20.00	ng	0.00
75) Chrysene-d12	13.62	240	255709	20.00	ng	0.00
86) Perylene-d12	14.97	264	206634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	185053	20.02	ng	0.00
7) Phenol-d6	6.16	99	219163	20.77	ng	-0.01
23) Nitrobenzene-d5	7.06	82	133666	14.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	44941	22.18	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	222004	14.69	ng	-0.01
78) Terphenyl-d14	12.58	244	138820	11.07	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	85686	8.657	ng	90
12) 1,3-Dichlorobenzene	6.43	146	78352	7.357	ng	98
13) 1,4-Dichlorobenzene	6.52	146	226403	21.452	ng	96
14) 1,2-Dichlorobenzene	6.67	146	311994	33.857	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.79	45	168348	8.480	ng	89
17) 2-Methylphenol	6.78	107	22151	2.904	ng	# 78
27) 2,4-Dimethylphenol	7.46	122	213564	25.092	ng	96
31) Naphthalene	7.82	128	3736243	147.548	ng	99
37) 2-Methylnaphthalene	8.50	142	839268	52.347	ng	99
49) Dimethylphthalate	9.26	163	49369	2.535	ng	# 95

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

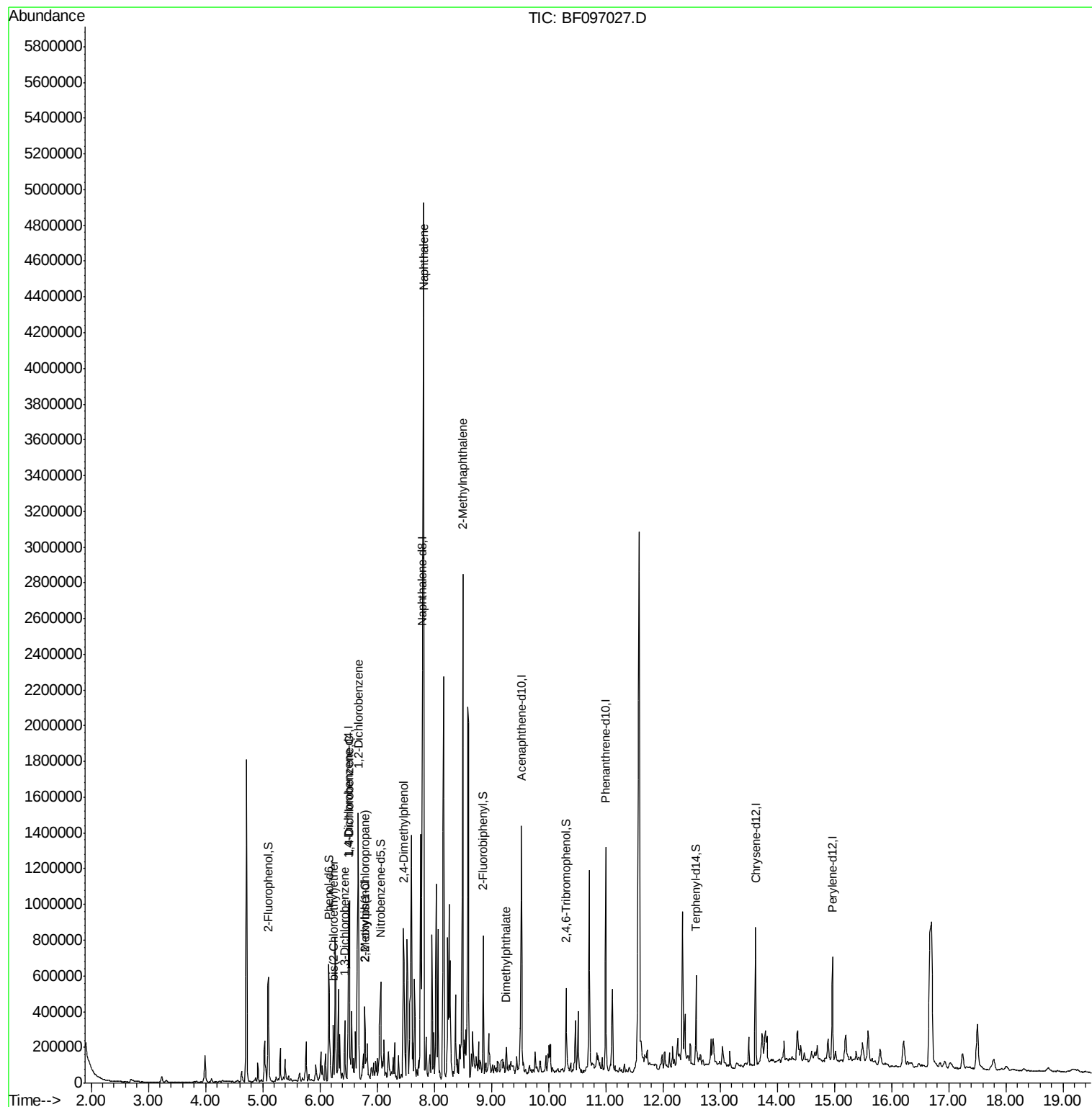
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097027.D
Acq On : 25 Jul 2017 14:27
Operator : SJ/JU
Sample : I4399-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

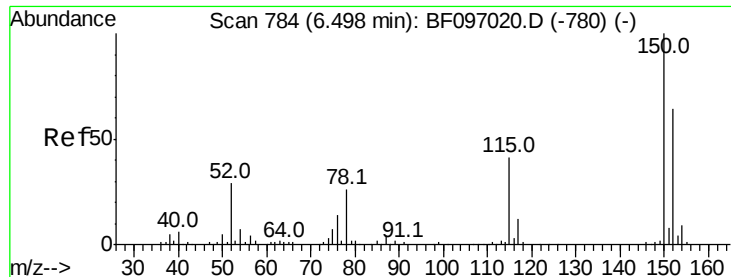
Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

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#1

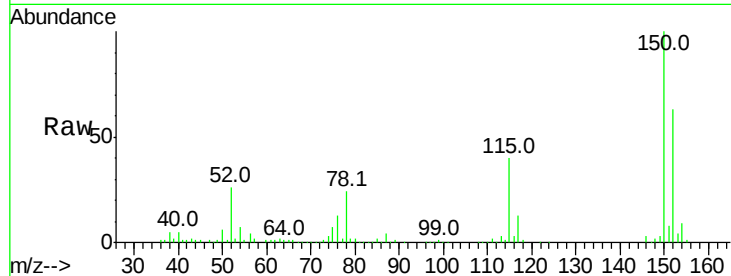
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	63.1	52.2	78.2

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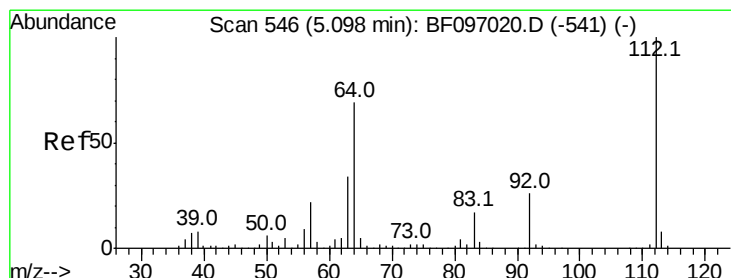
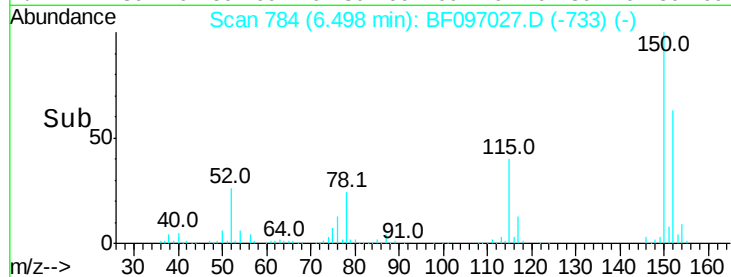
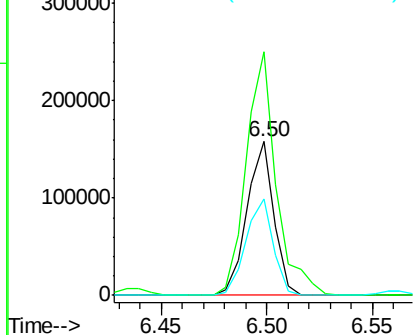


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

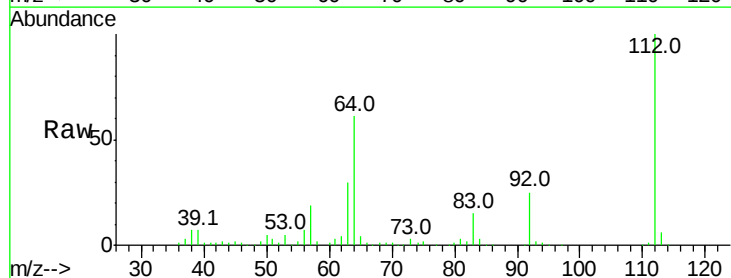
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.024 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.0	69.0
63	30.4	23.4	35.0

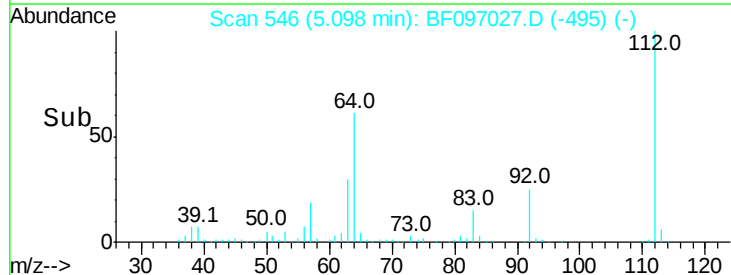
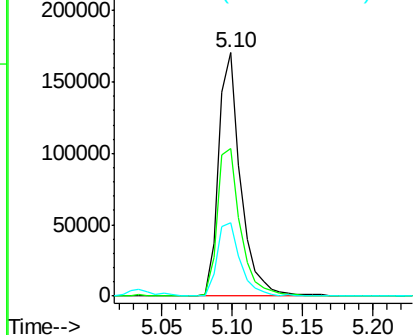


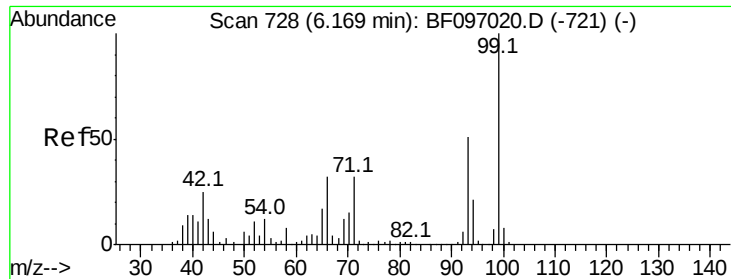
Abundance

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: 20.773 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

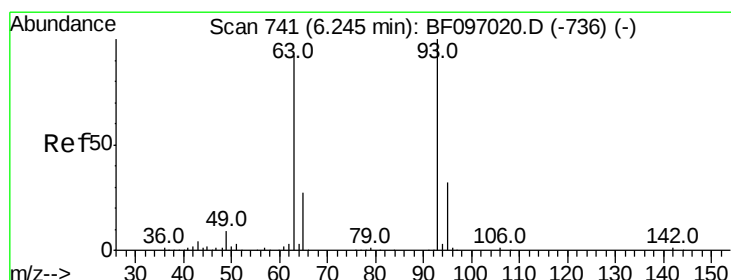
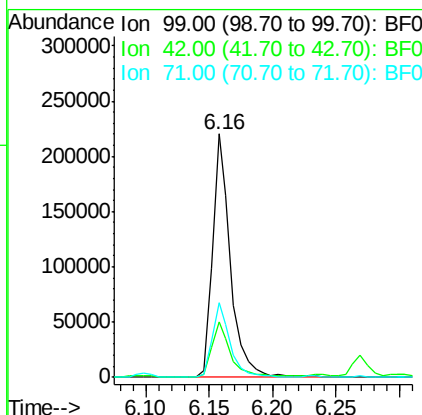
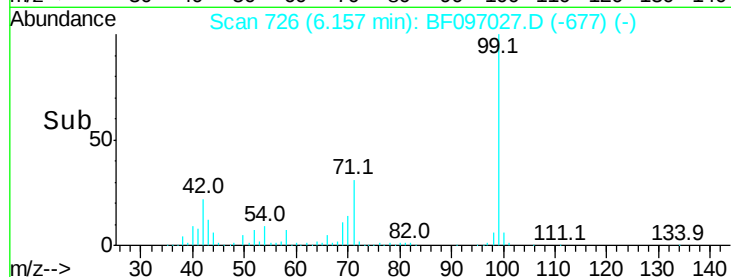
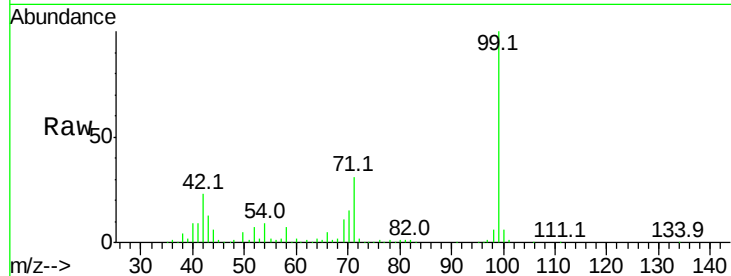
ClientSampled :

E2-N7-BASE

Tot Ion:	99	Resp:	219163
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	30.7	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 8.657 ng

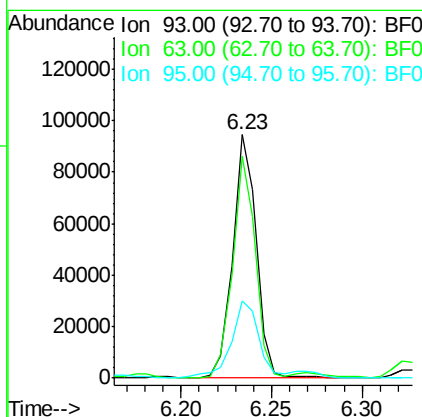
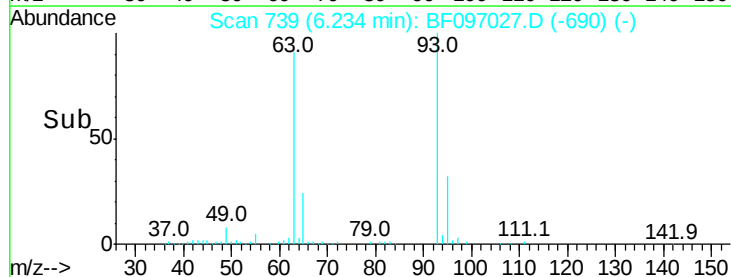
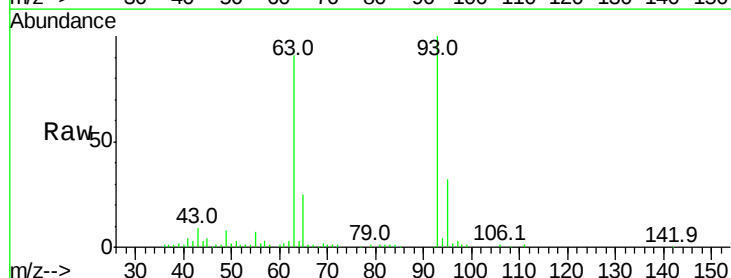
RT: 6.23 min Scan# 739

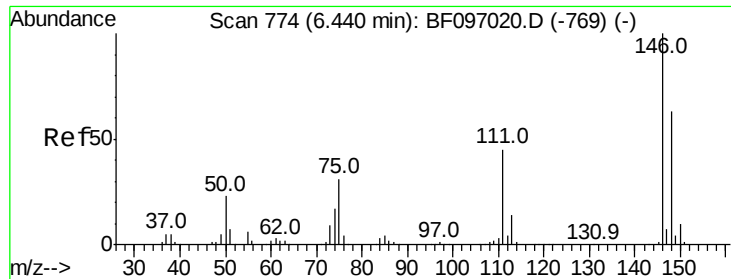
Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Tgt Ion:	93	Resp:	85686
Ion Ratio	Lower	Upper	
93	100		
63	91.3	59.2	99.2
95	31.9	12.8	52.8





#12

1,3-Dichlorobenzene

Concen: 7.357 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

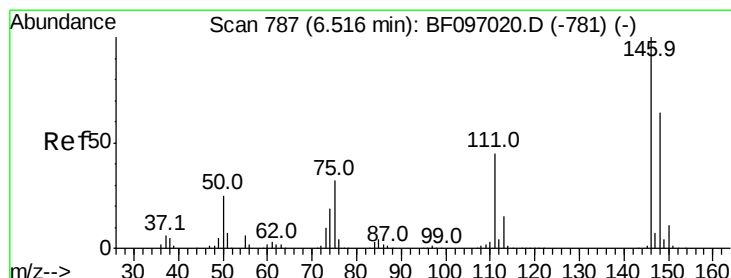
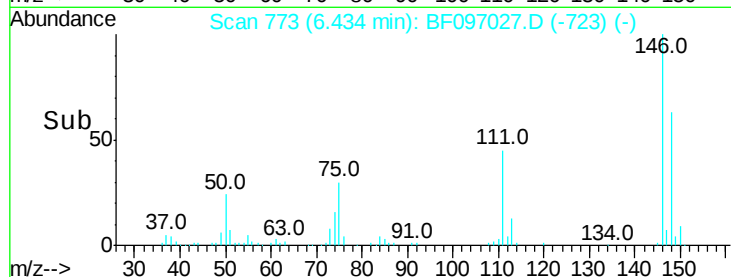
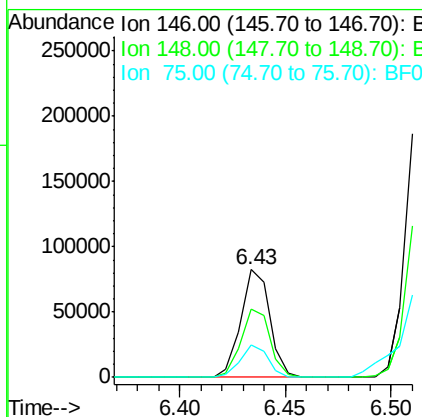
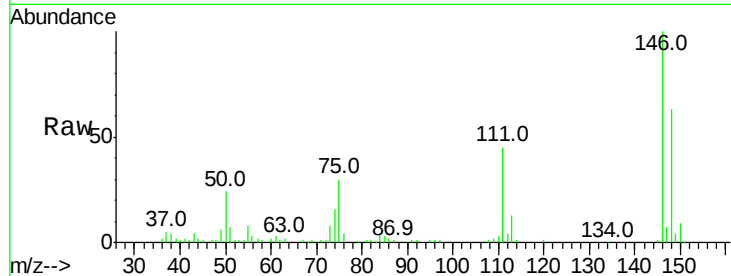
ClientSampled :

E2-N7-BASE

Tot Ion:	146	Resp:	78352
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.8	77.6
75	29.8	23.1	34.7

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#13

1,4-Dichlorobenzene

Concen: 21.452 ng

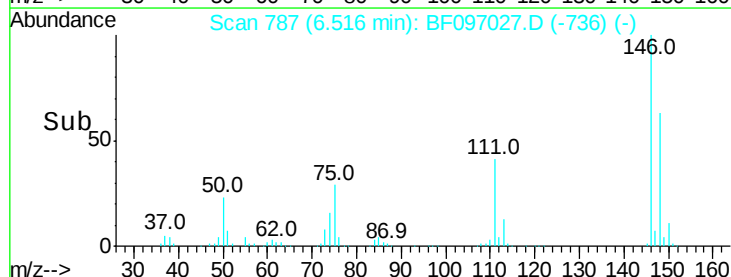
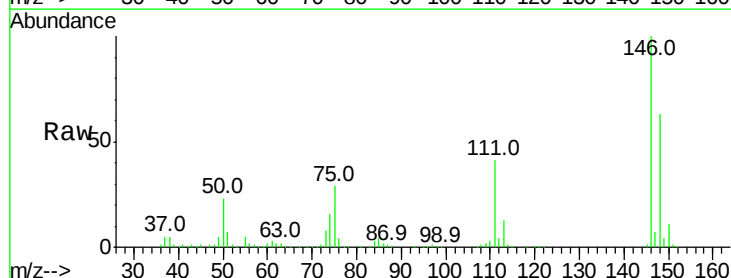
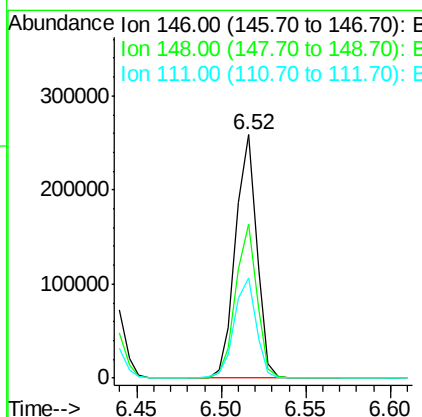
RT: 6.52 min Scan# 787

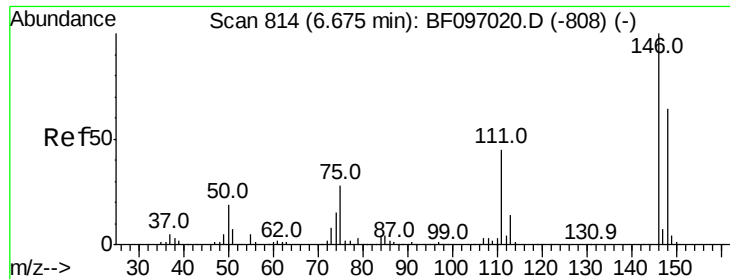
Delta R.T. -0.00 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Tgt Ion:	146	Resp:	226403
Ion Ratio	Lower	Upper	
146	100		
148	63.1	52.2	78.2
111	41.3	30.3	45.5





#14

1,2-Dichlorobenzene

Concen: 33.857 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

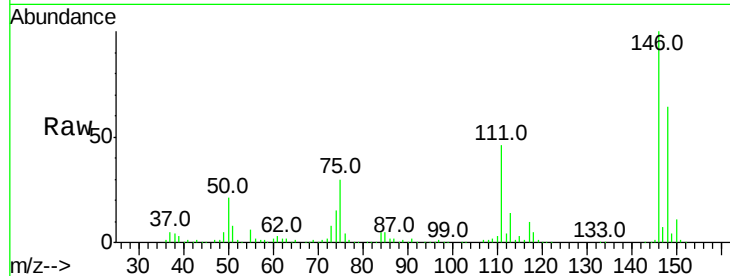
ClientSampleId :

E2-N7-BASE

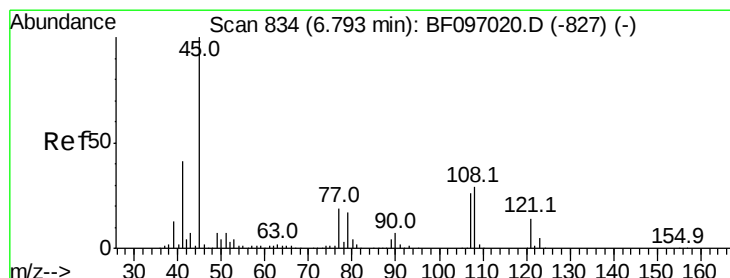
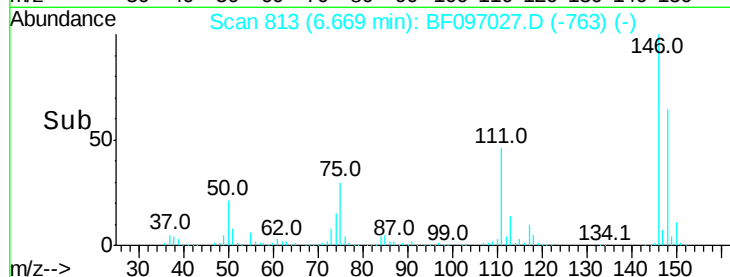
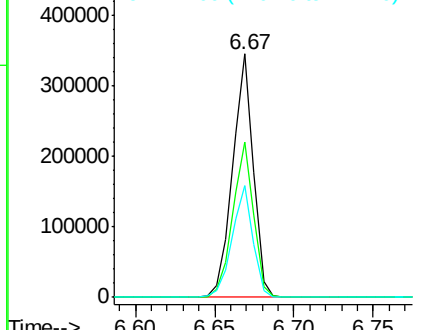
Tot Ion:	146	Resp:	311994
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.4	75.6
111	45.7	38.2	57.4

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.480 ng

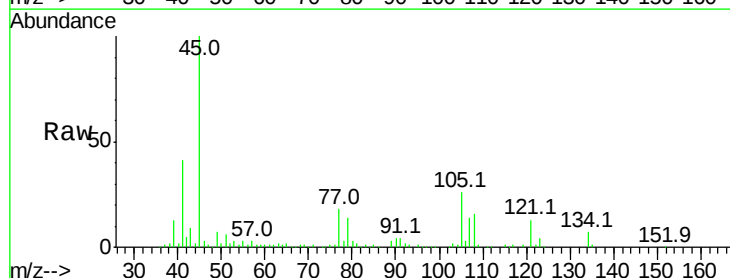
RT: 6.79 min Scan# 833

Delta R.T. -0.01 min

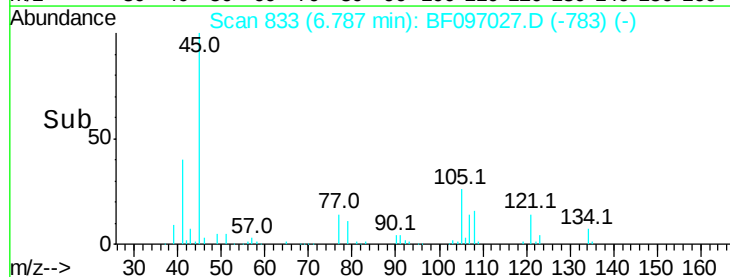
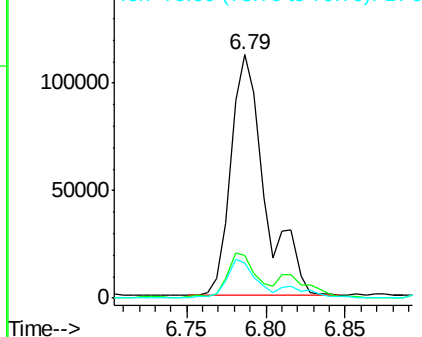
Lab File: BF097027.D

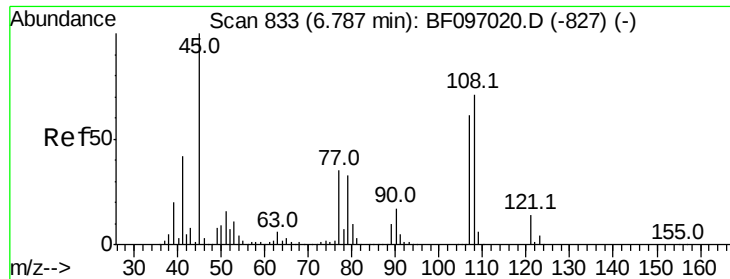
Acq: 25 Jul 2017 14:27

Tgt Ion:	45	Resp:	168348
Ion Ratio	Lower	Upper	
45	100		
77	17.6	0.0	33.2
79	14.4	0.0	30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





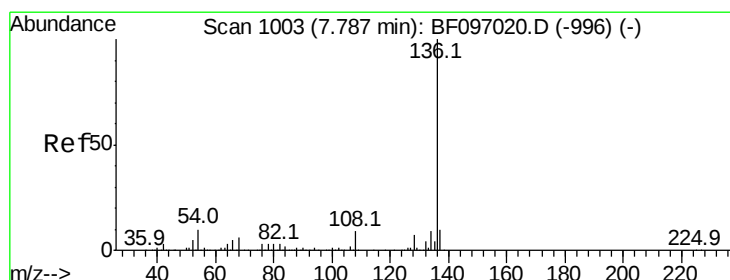
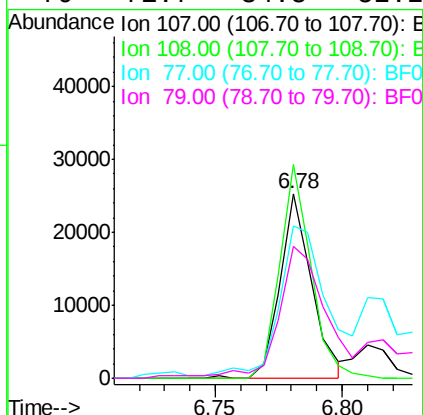
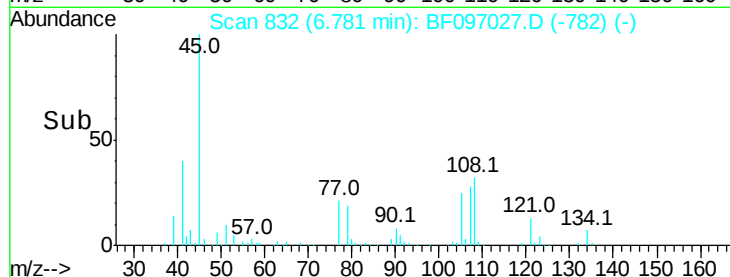
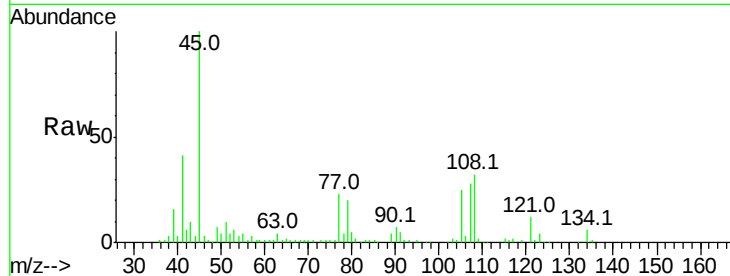
#17
2-Methylphenol
Concen: 2.904 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.7	93.4	140.0
77	82.3	35.8	53.6#
79	71.7	34.8	52.2#

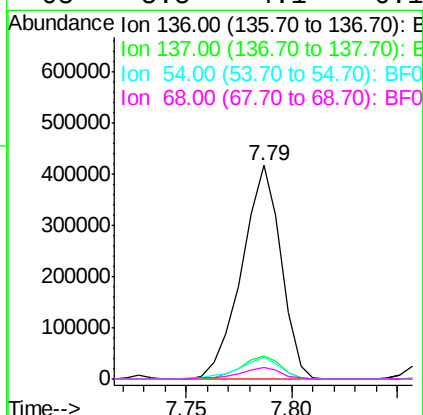
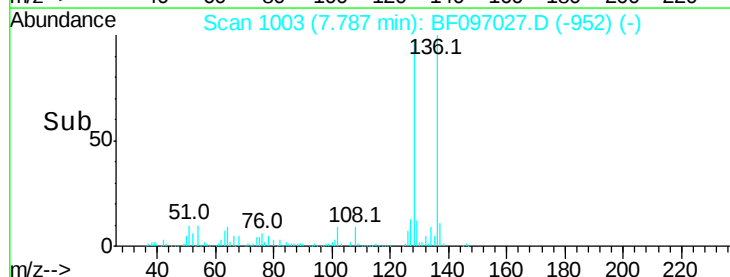
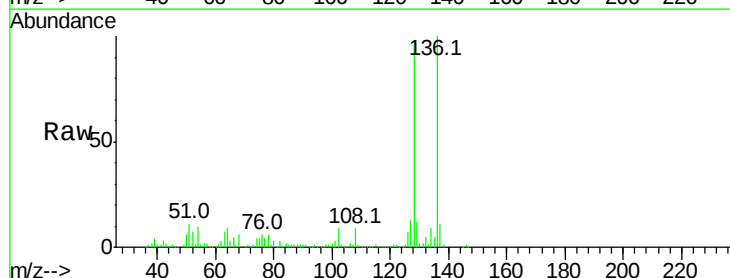
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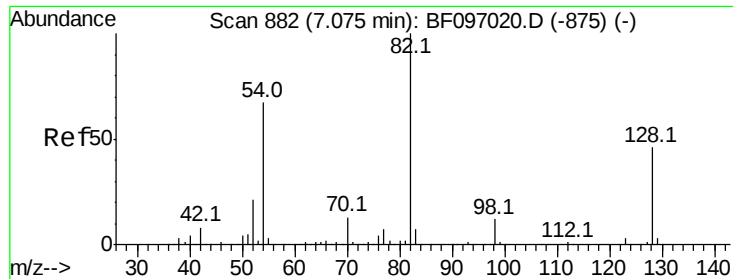
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.79 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.4	4.9	7.3#
68	5.5	4.1	6.1





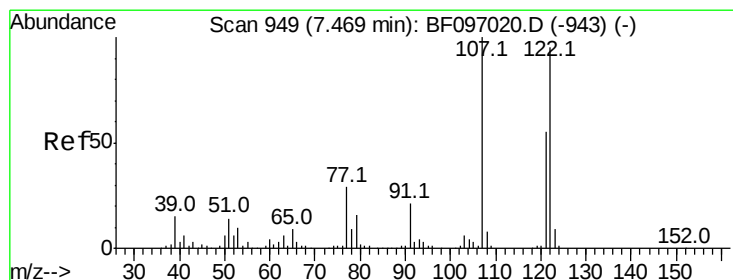
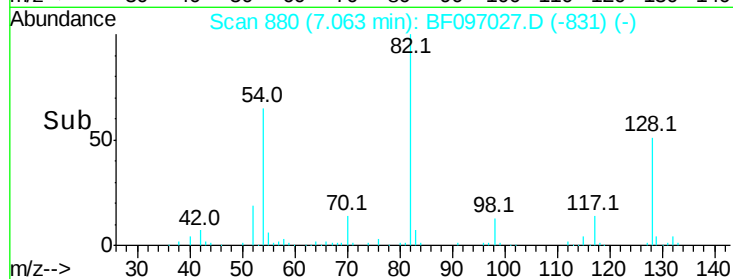
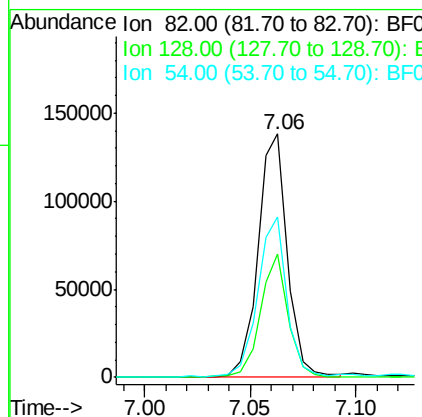
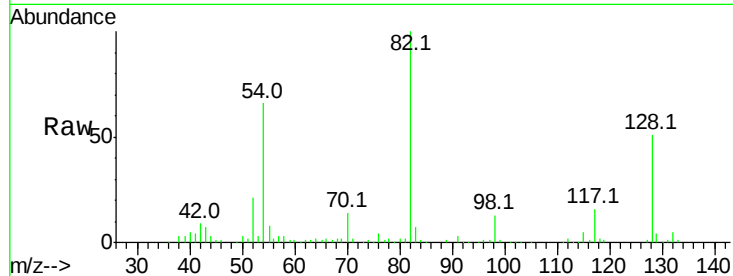
#23
Nitrobenzene-d5
Concen: 14.597 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	50.8	34.0	51.0
54	65.9	42.2	63.2

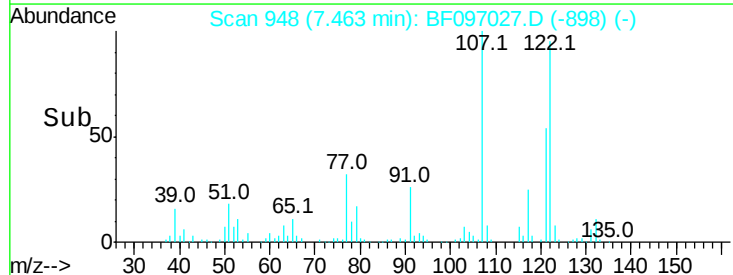
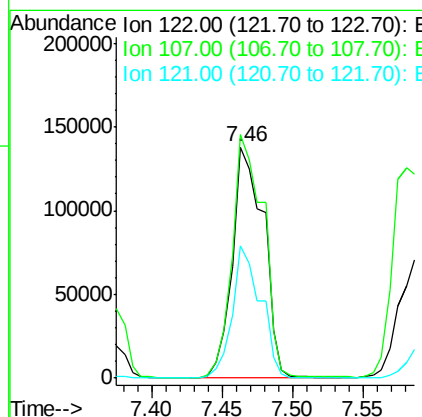
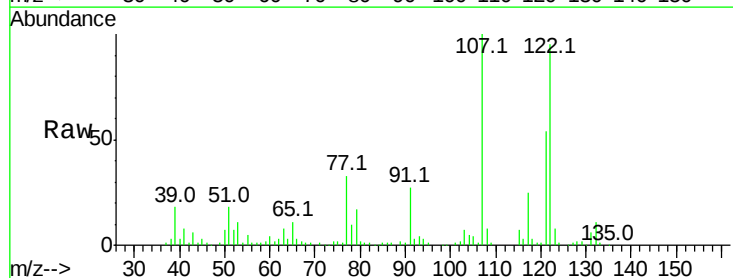
Manual Integrations
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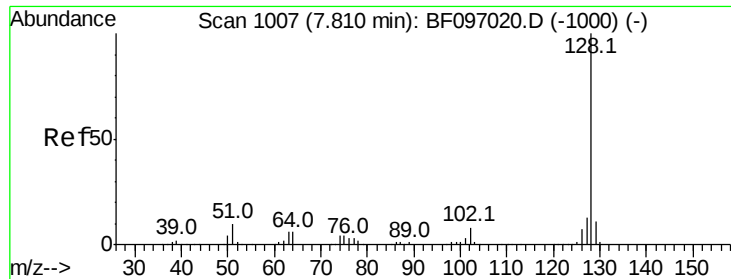
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#27
2,4-Dimethylphenol
Concen: 25.092 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
122	100		
107	105.3	89.2	133.8
121	57.1	45.2	67.8





#31

Naphthalene

Concen: 147.548 ng

RT: 7.82 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

Tot Ion:128 Resp: 3736243

Ion Ratio Lower Upper

128 100

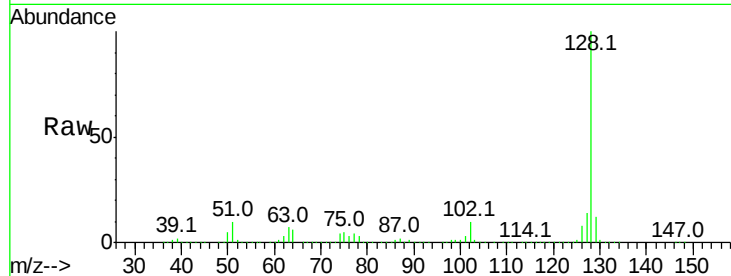
129 11.7 9.0 13.6

127 14.1 10.8 16.2

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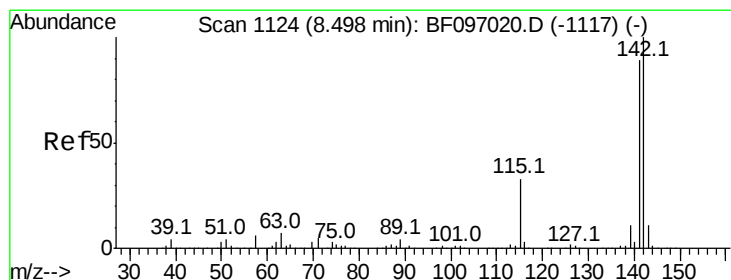
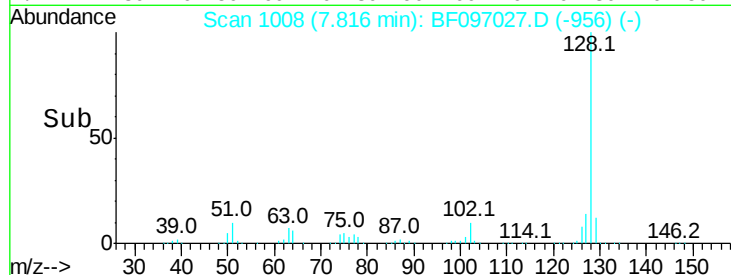
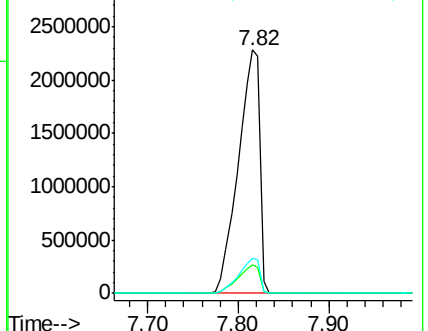
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 52.347 ng

RT: 8.50 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF097027.D

Acq: 25 Jul 2017 14:27

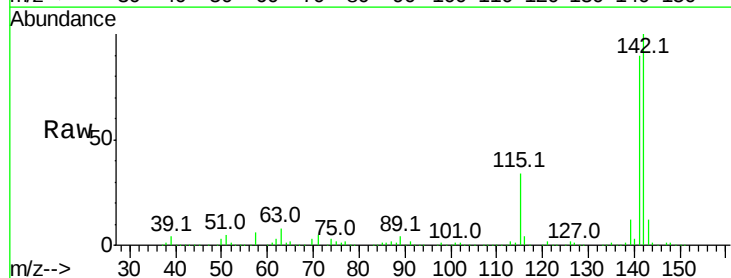
Tgt Ion:142 Resp: 839268

Ion Ratio Lower Upper

142 100

141 90.2 71.3 106.9

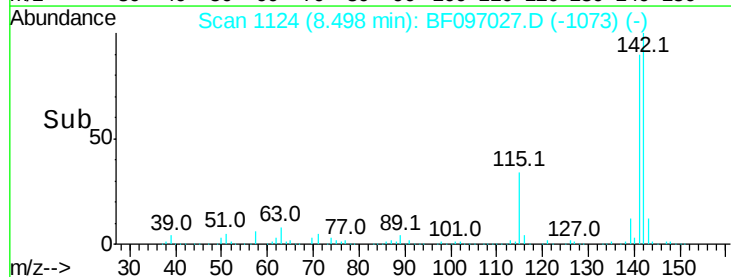
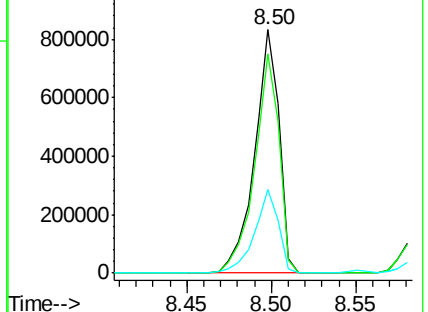
115 34.1 27.1 40.7

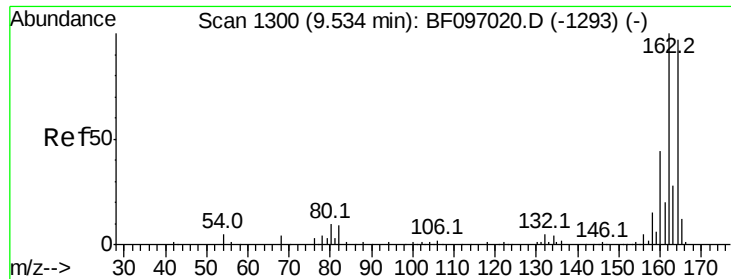


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





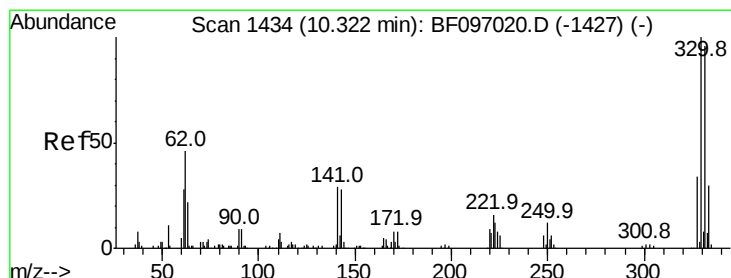
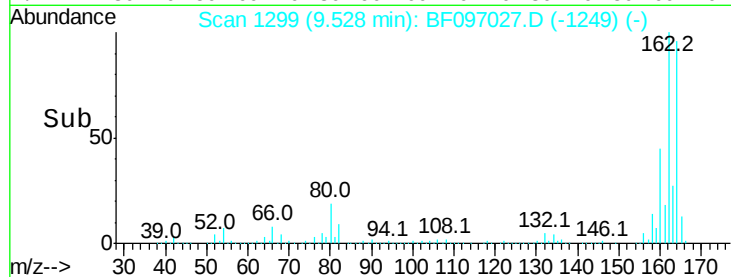
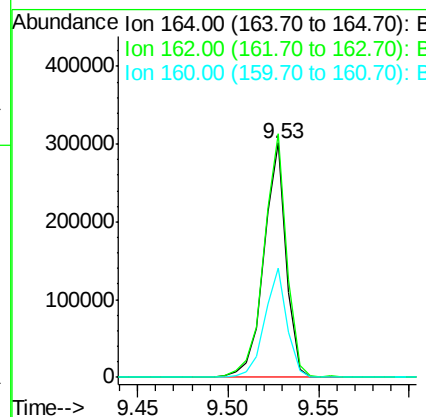
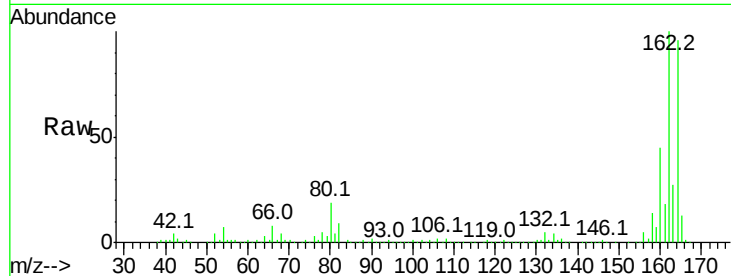
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	46.8	36.2	54.2

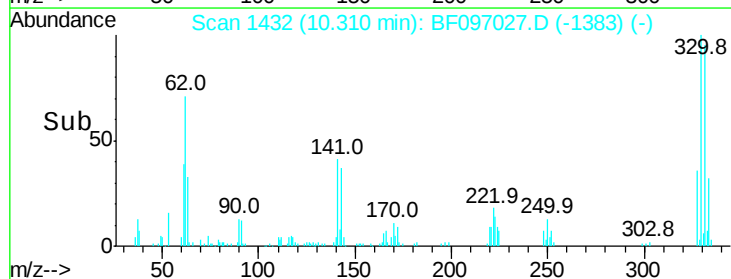
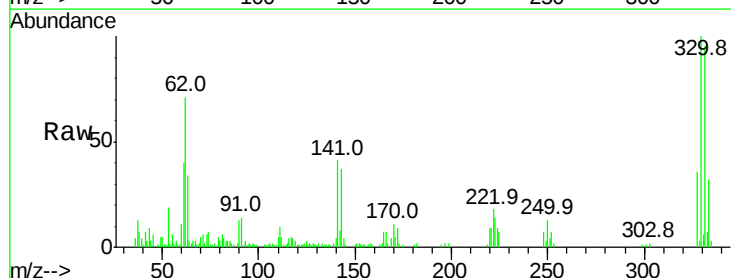
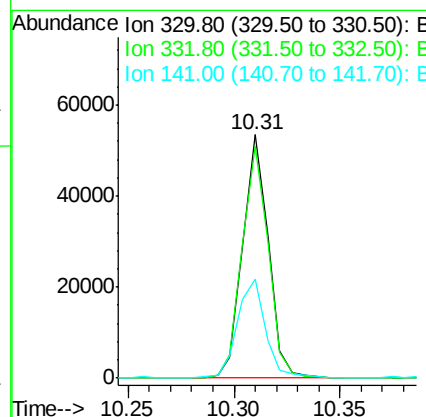
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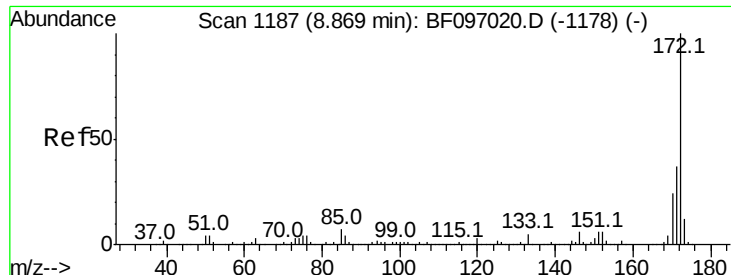
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#41
 2,4,6-Tribromophenol
 Concen: 22.184 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	44.9	31.4	47.2





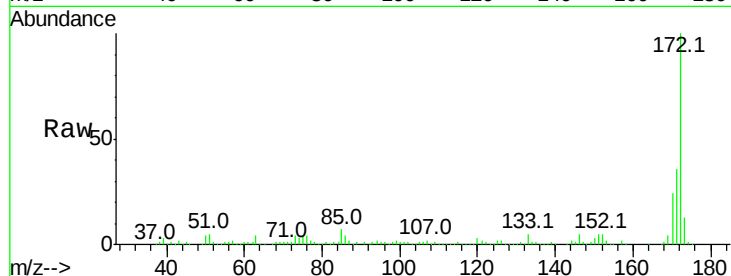
#44
2-Fluorobiphenyl
Concen: 14.694 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

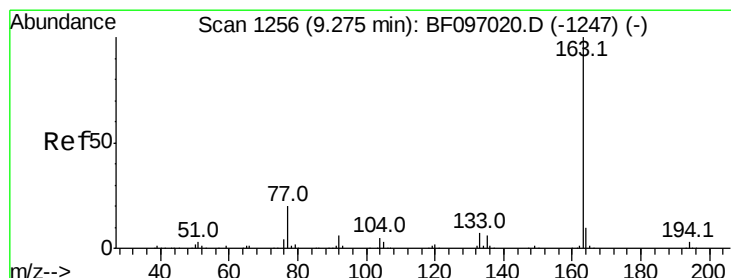
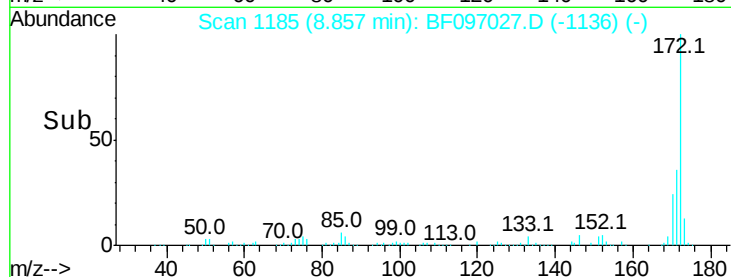
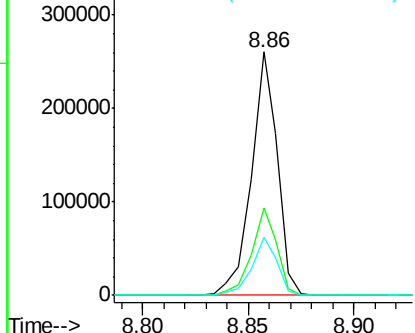
Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8

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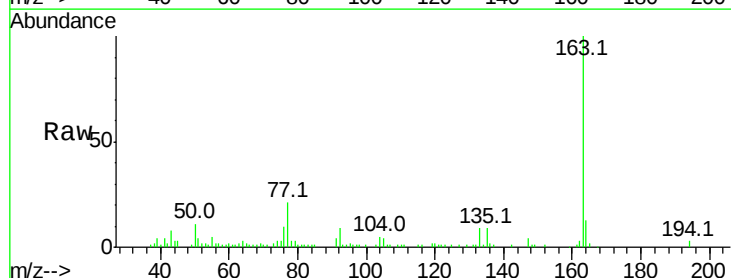


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

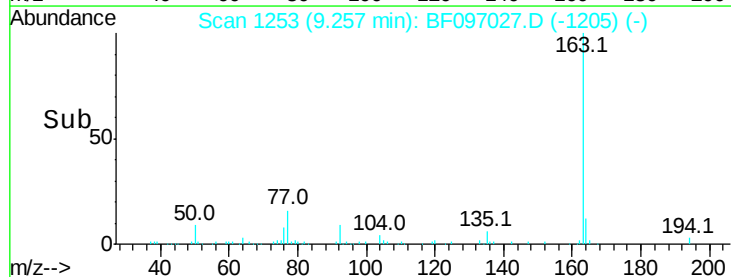
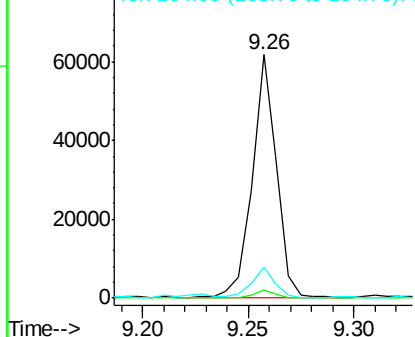


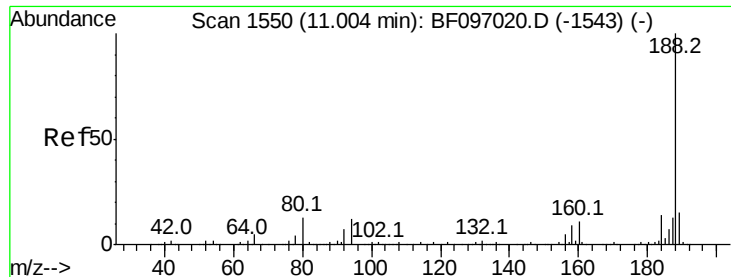
#49
Dimethylphthalate
Concen: 2.535 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.6	4.0
164	12.7	8.4	12.6#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





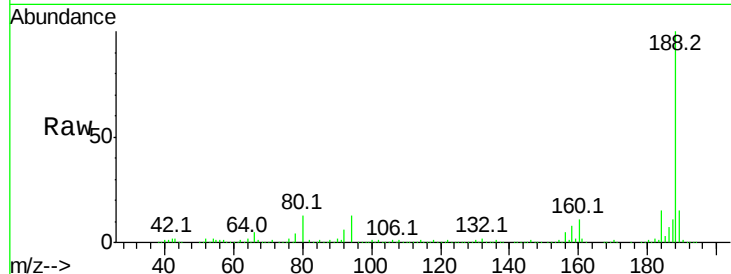
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

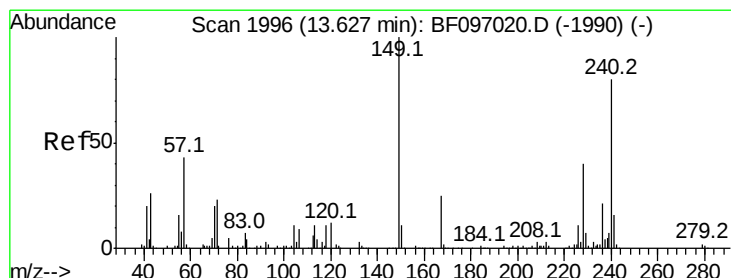
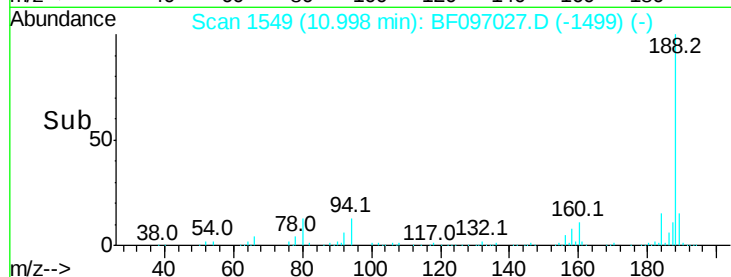
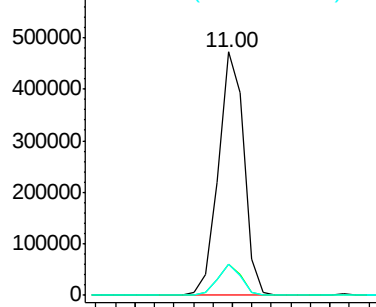
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.8		9.4	14.2
80	12.8		10.2	15.2

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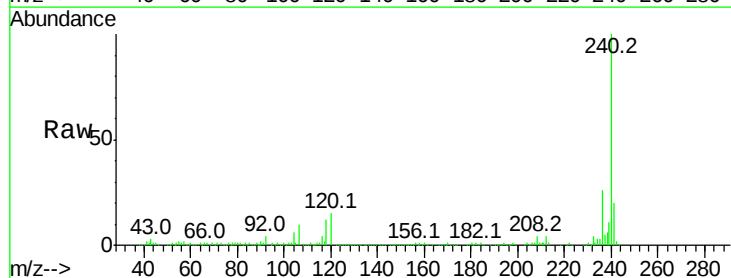


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

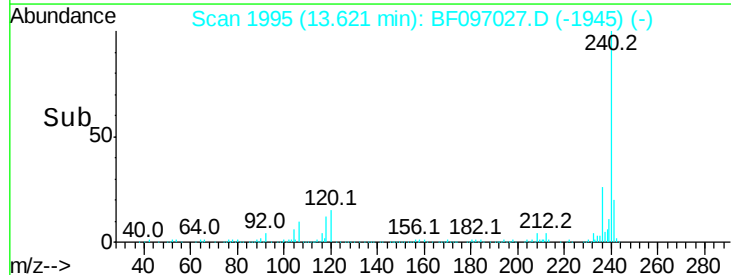
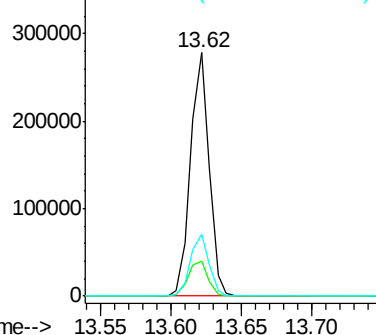


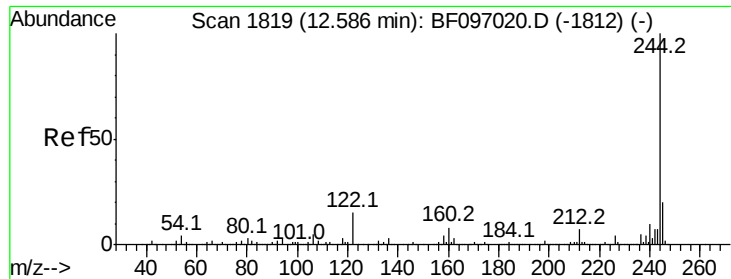
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097027.D
Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.5		5.8	8.8#
236	25.6		20.5	30.7



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





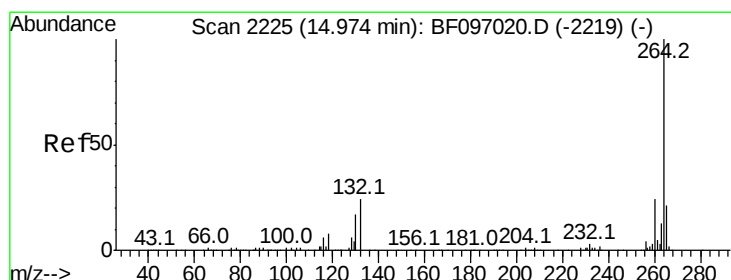
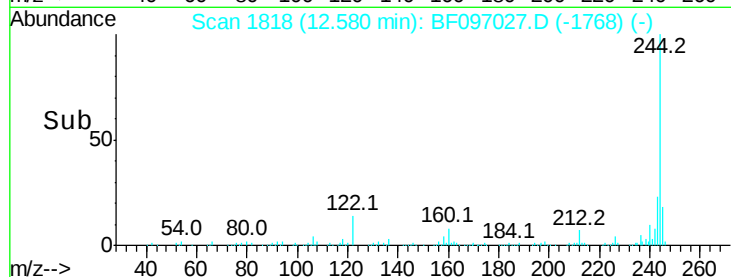
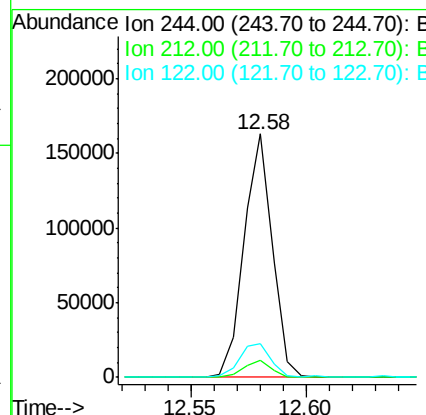
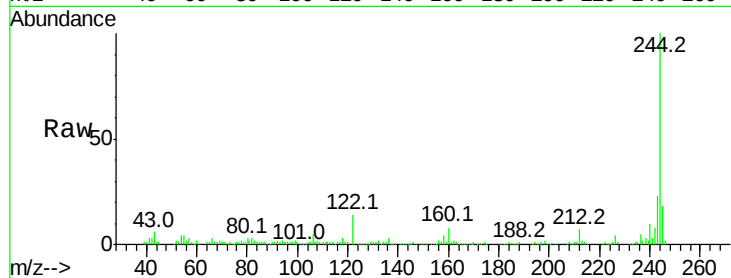
#78
 Terphenyl-d14
 Concen: 11.069 ng
 RT: 12.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.0	10.3	15.5

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097027.D
 Acq: 25 Jul 2017 14:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.2	25.8

