

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097062.D
 Acq On : 26 Jul 2017 7:29
 Operator : SJ/JU
 Sample : I4370-05 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Manual Integrations
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Quant Time: Jul 26 07:57:36 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	119378	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	496286	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	190886	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	258812	20.00	ng	0.00
75) Chrysene-d12	13.62	240	223358	20.00	ng	0.00
86) Perylene-d12	14.97	264	161802	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	157300	19.86	ng	0.00
7) Phenol-d6	6.16	99	192525	21.30	ng	-0.01
23) Nitrobenzene-d5	7.06	82	94725	11.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	25504	16.91	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	170567	15.16	ng	-0.01
78) Terphenyl-d14	12.58	244	88321	8.06	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	112026	13.209	ng	88
13) 1,4-Dichlorobenzene	6.52	146	22008	2.434	ng	92
14) 1,2-Dichlorobenzene	6.67	146	103144	13.063	ng	96
30) 1,2,4-Trichlorobenzene	7.73	180	22585	3.498	ng	96
49) Dimethylphthalate	9.26	163	38801	2.677	ng	99
87) Benzo(b)fluoranthene	14.62	252	37587m	3.864	ng	
91) Benzo(g,h,i)perylene	16.56	276	25282	3.303	ng	98

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

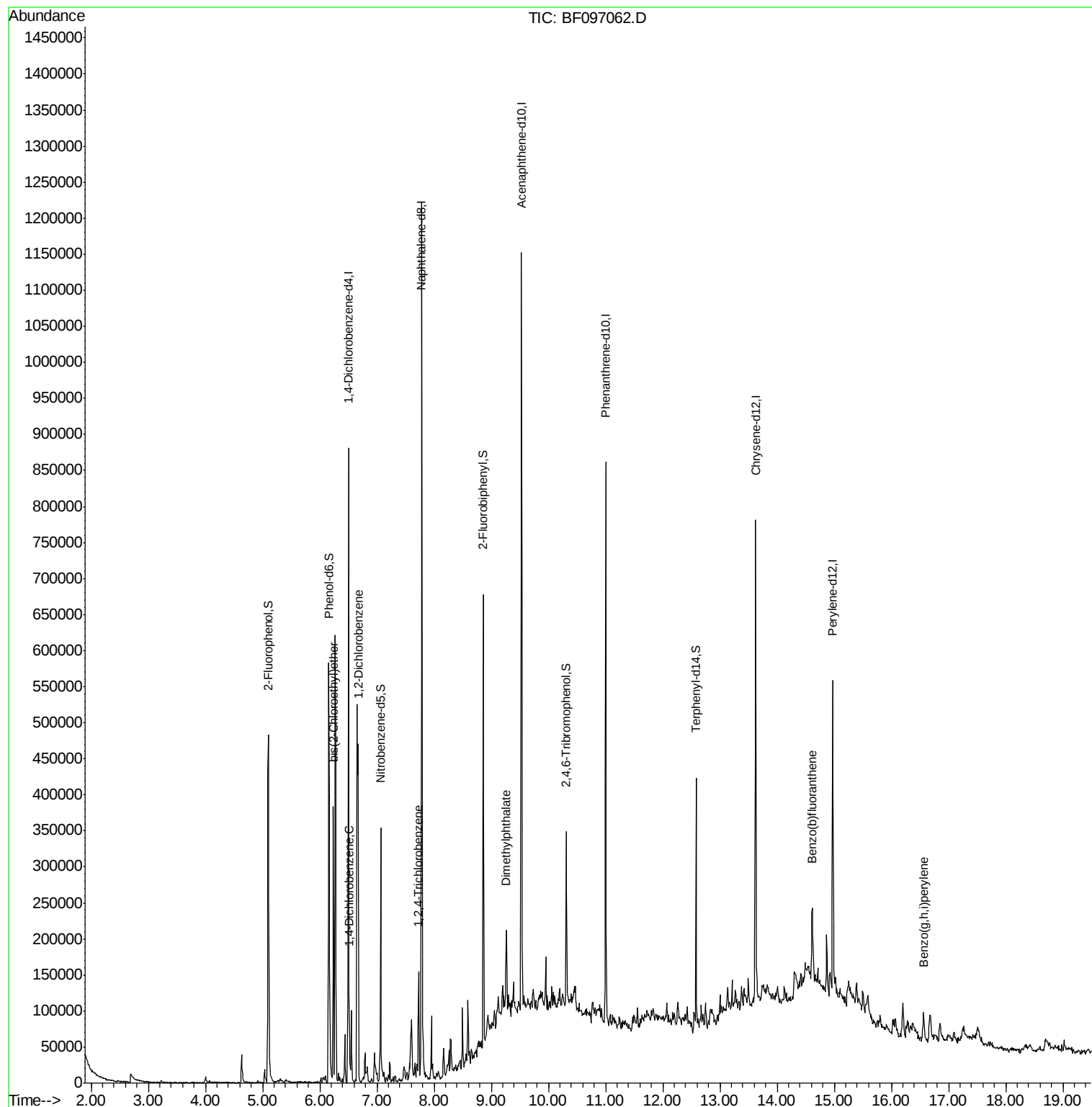
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097062.D
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Operator : SJ/JU
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Misc :
ALS Vial : 36 Sample Multiplier: 1

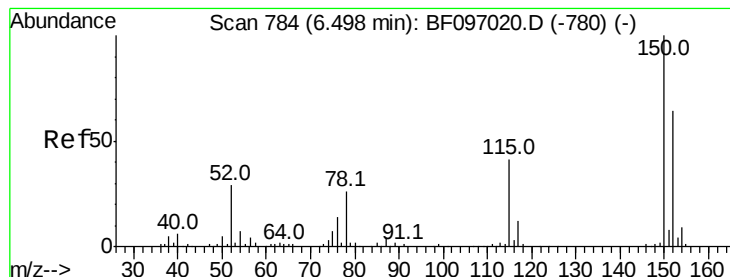
Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

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#1

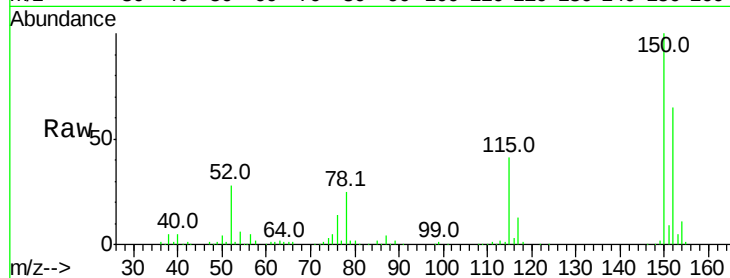
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	63.9	52.2	78.2

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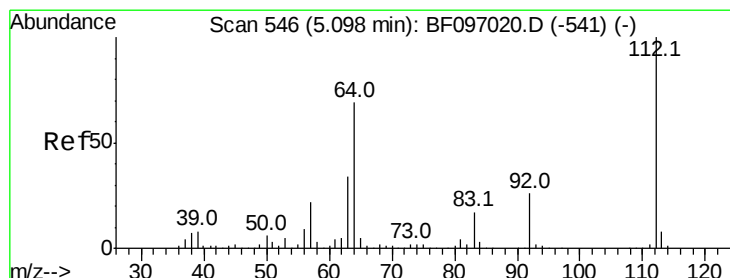
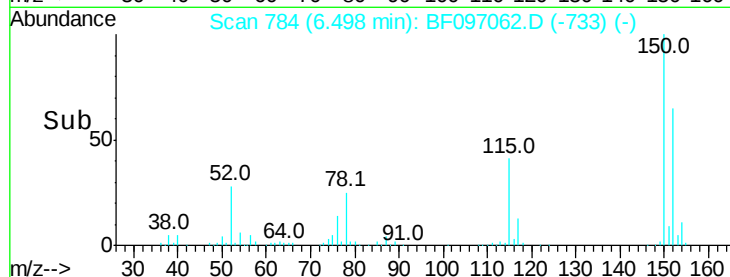
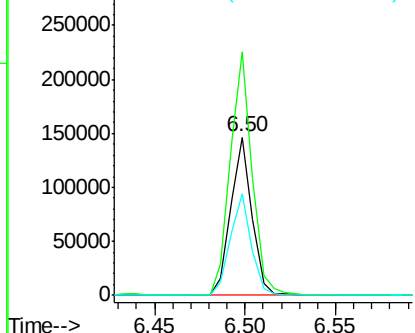


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

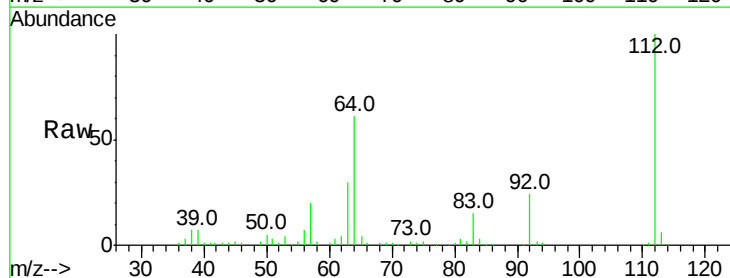
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.864 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.0	69.0
63	29.8	23.4	35.0

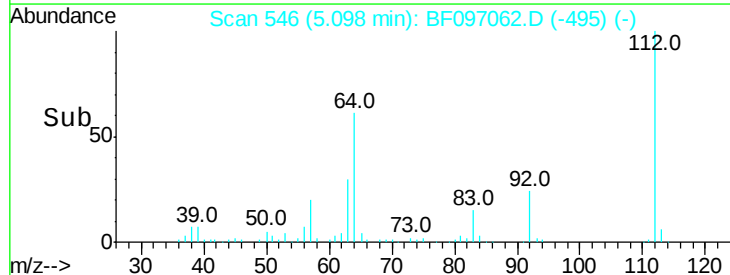
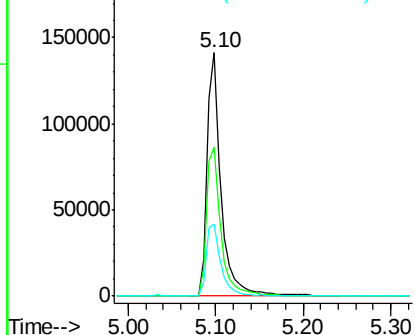


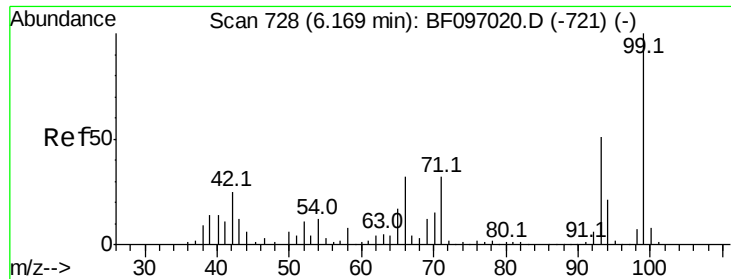
Abundance

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: 21.296 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

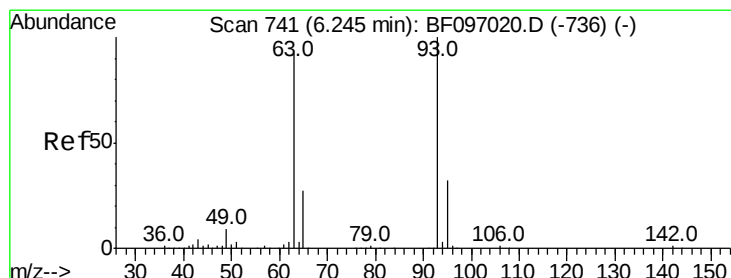
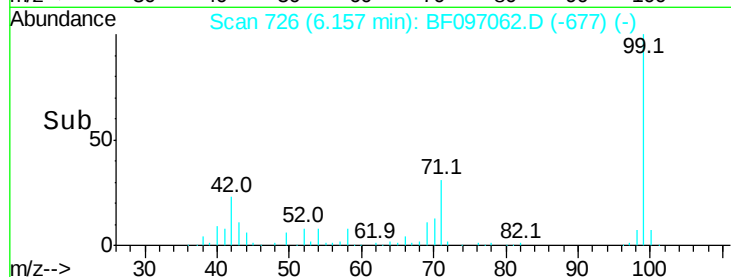
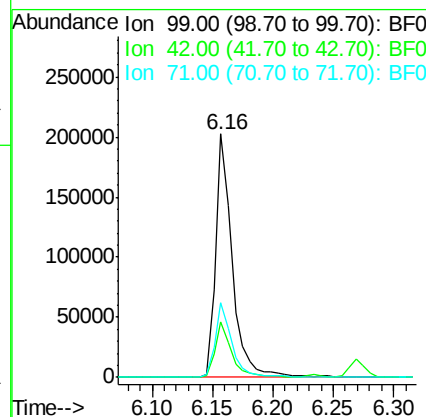
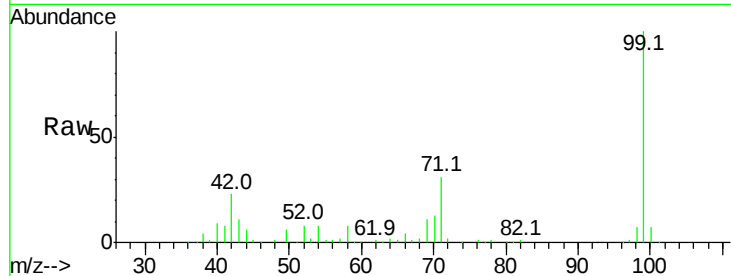
ClientSampled :

E2-N6-BASE

Tot Ion:	99	Resp:	192525
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	30.8	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 13.209 ng

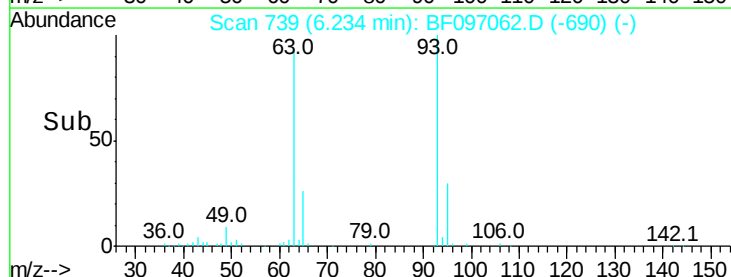
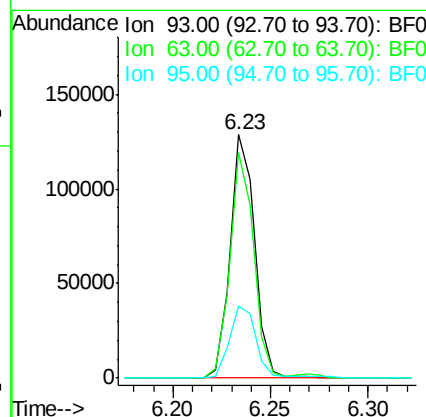
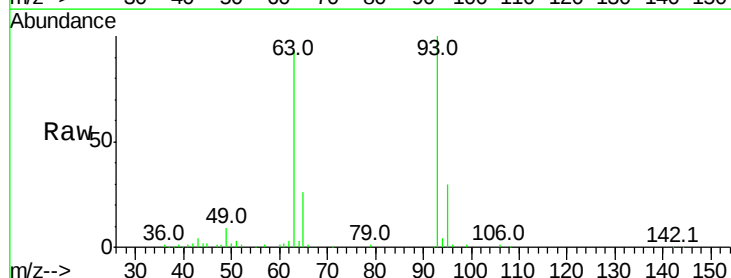
RT: 6.23 min Scan# 739

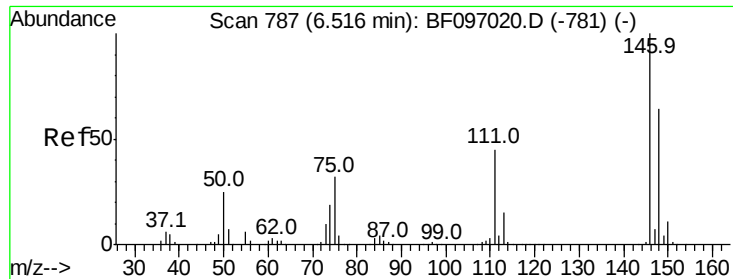
Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Tgt Ion:	93	Resp:	112026
Ion Ratio	Lower	Upper	
93	100		
63	92.6	59.2	99.2
95	29.9	12.8	52.8





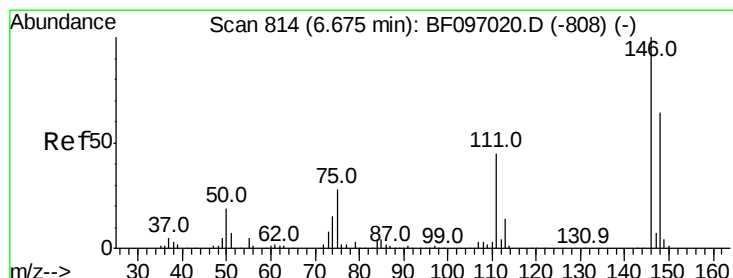
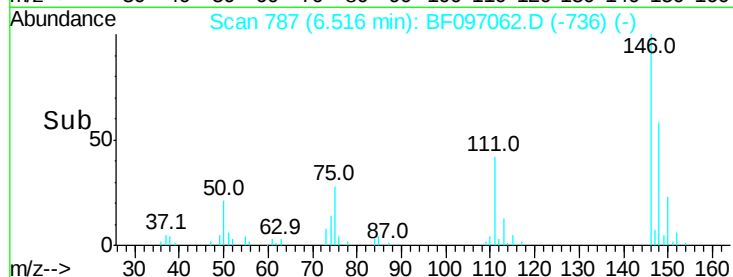
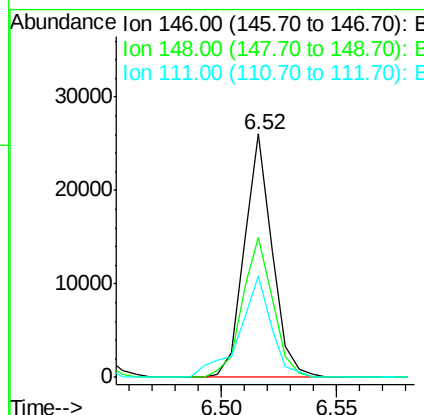
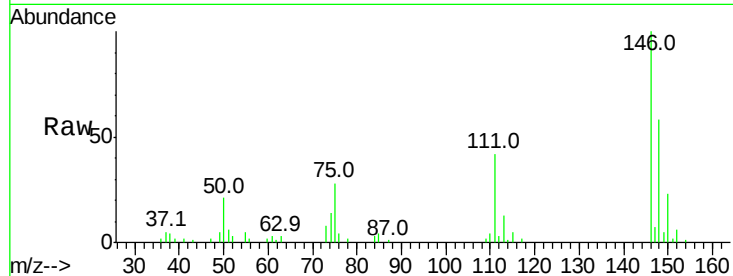
#13
 1,4-Dichlorobenzene
 Concen: 2.434 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.6	52.2	78.2
111	41.6	30.3	45.5

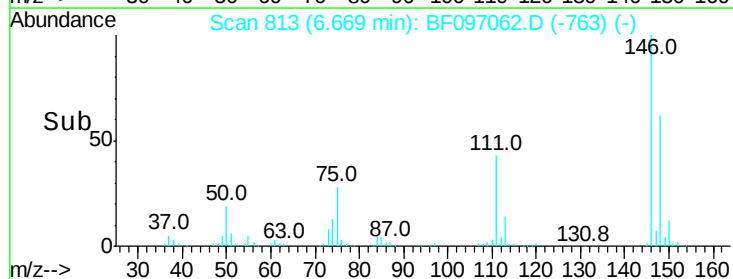
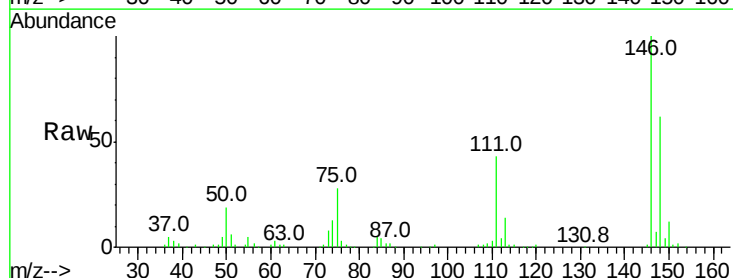
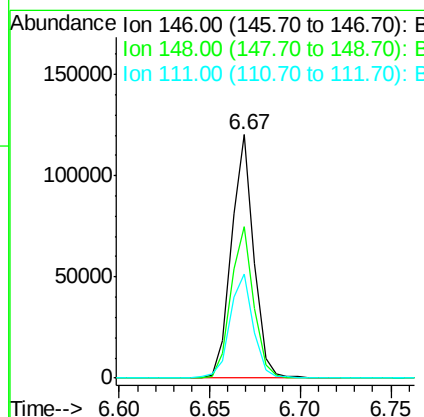
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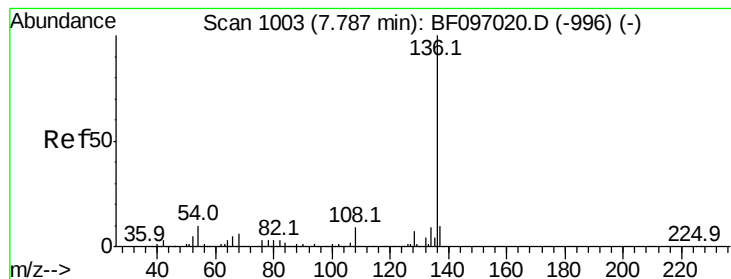
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#14
 1,2-Dichlorobenzene
 Concen: 13.063 ng
 RT: 6.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.4	75.6
111	43.0	38.2	57.4





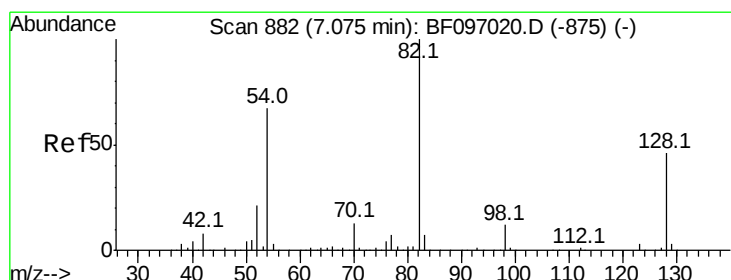
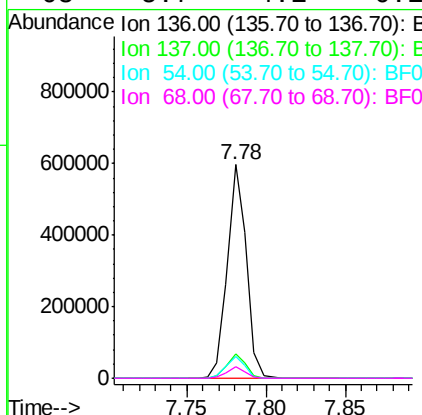
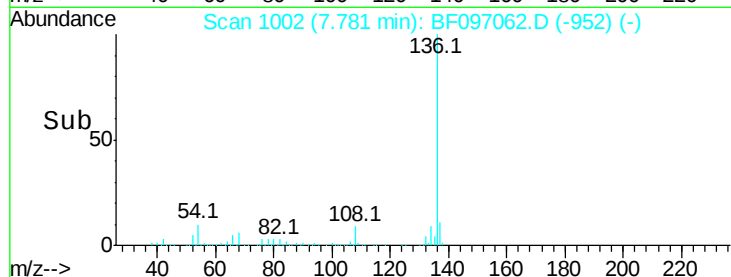
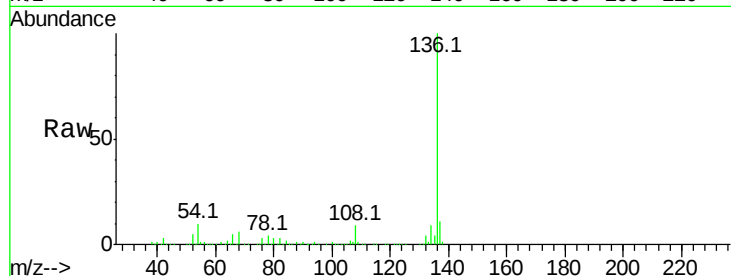
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.3	4.9	7.3#	
68	5.7	4.1	6.1	

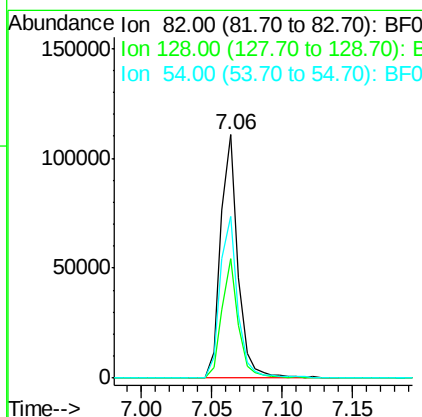
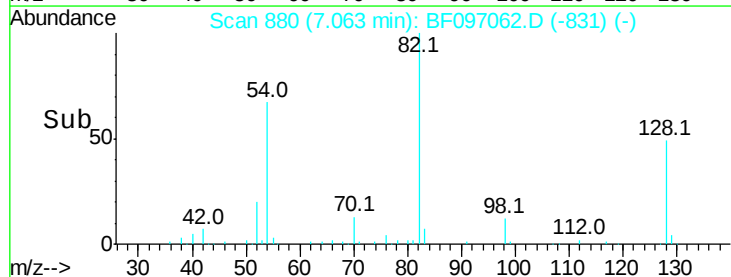
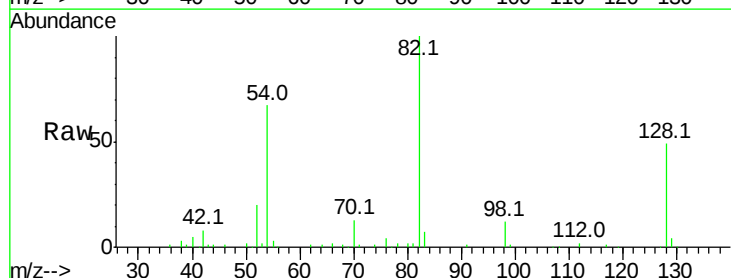
Manual Integrations
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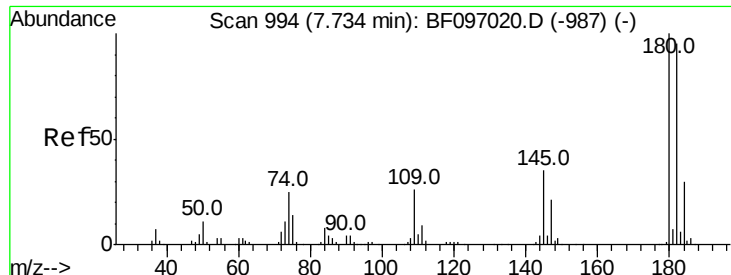
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#23
Nitrobenzene-d5
Concen: 11.197 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.2	34.0	51.0	
54	66.6	42.2	63.2#	





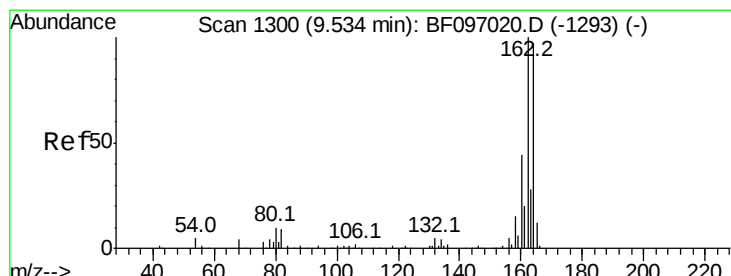
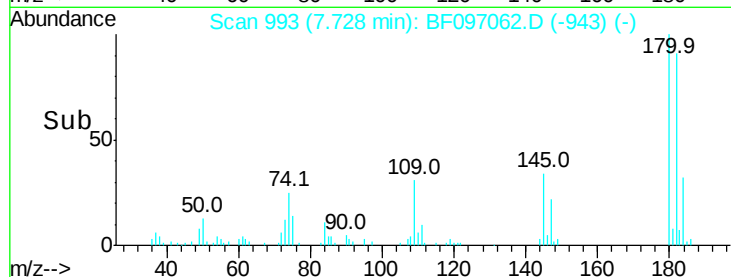
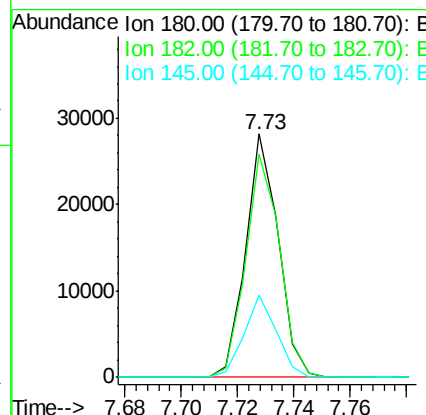
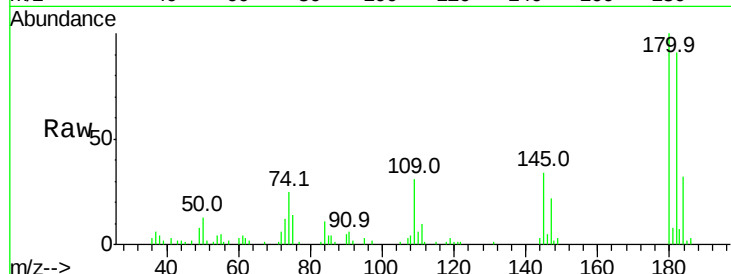
#30
 1,2,4-Trichlorobenzene
 Concen: 3.498 ng
 RT: 7.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22585		
182	91.4	75.8	113.6	
145	34.0	25.3	37.9	

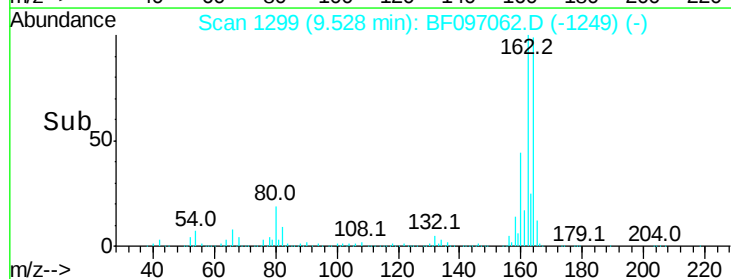
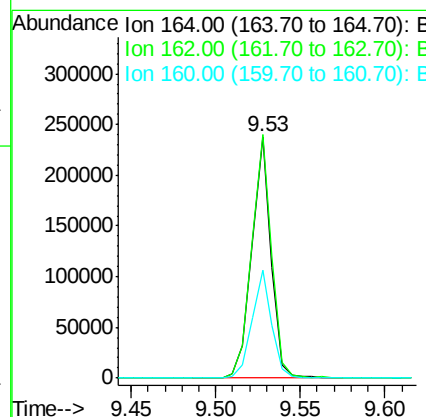
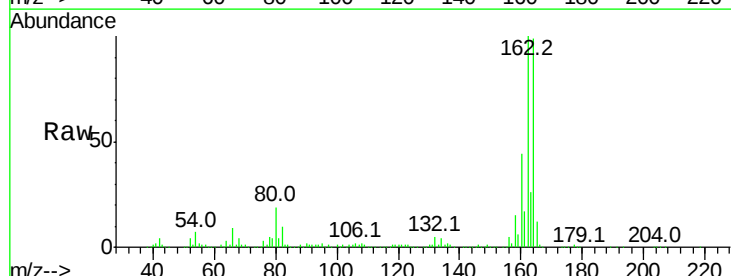
Manual Integrations
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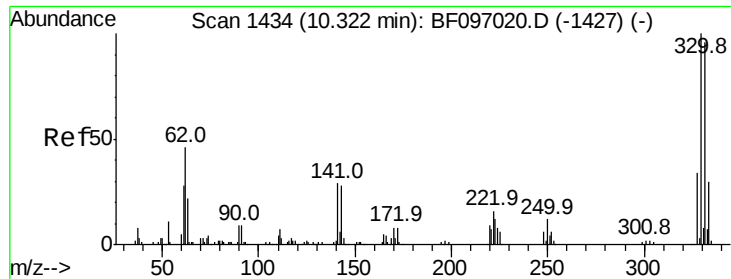
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190886		
162	100.9	82.6	123.8	
160	44.7	36.2	54.2	





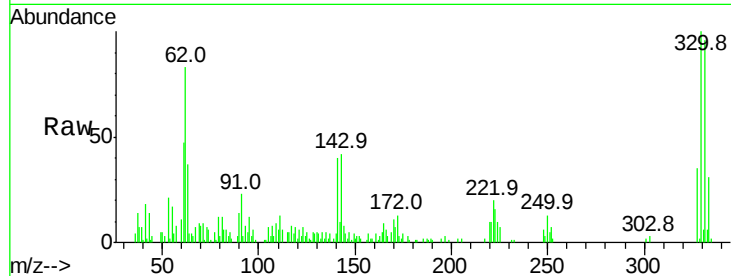
#41
 2,4,6-Tribromophenol
 Concen: 16.910 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

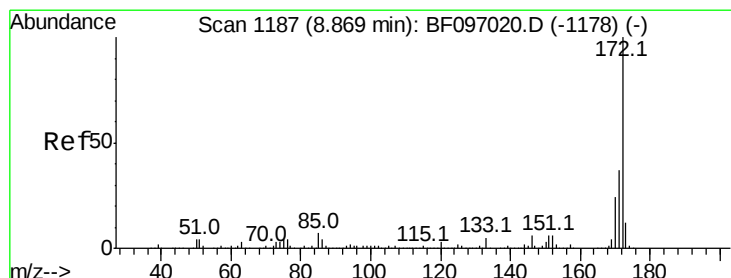
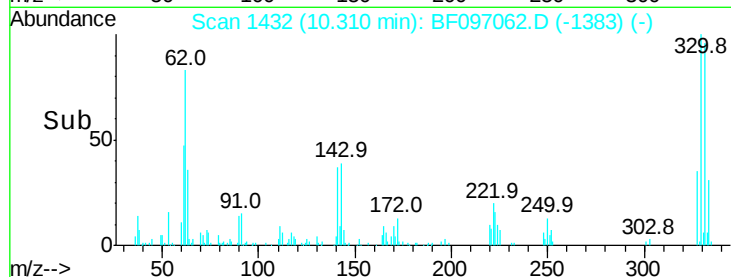
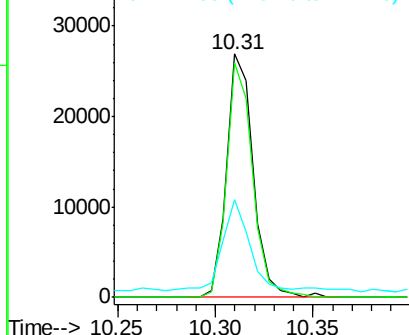
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.6	115.0
141	38.0	31.4	47.2

Manual Integrations
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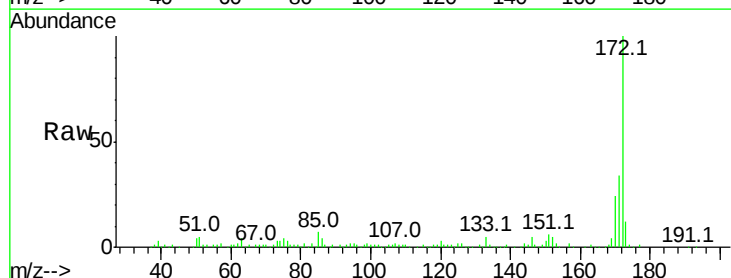


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

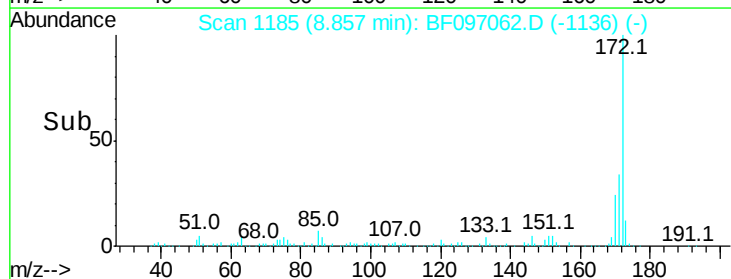
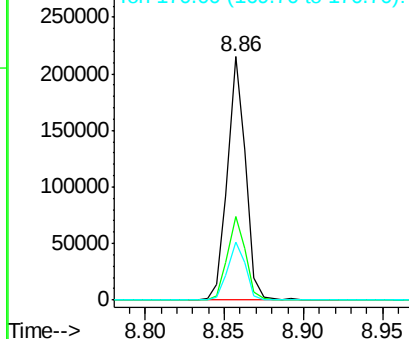


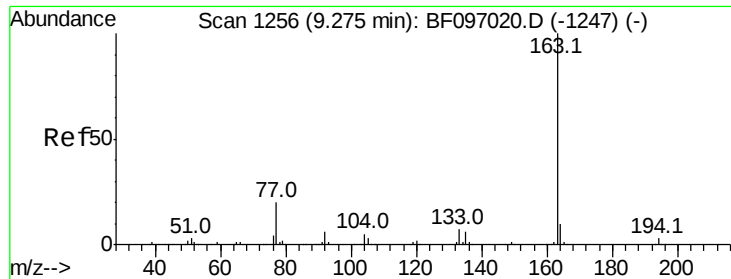
#44
 2-Fluorobiphenyl
 Concen: 15.164 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	23.9	19.8	29.8



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





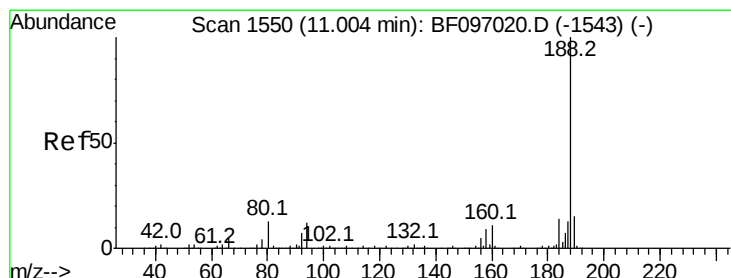
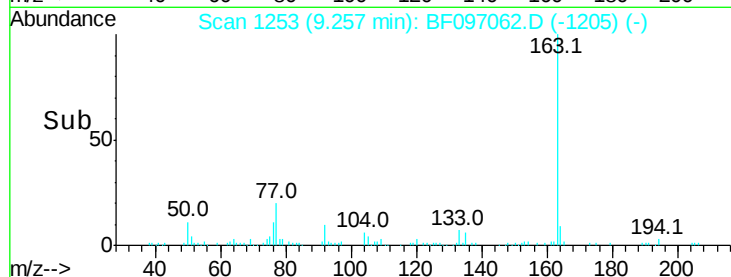
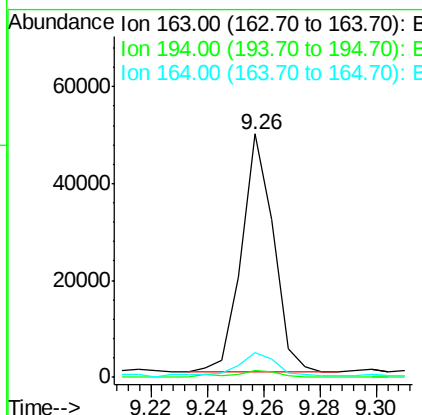
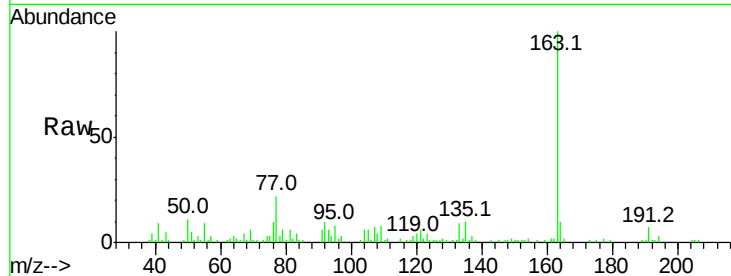
#49
Dimethylphthalate
Concen: 2.677 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.7	2.6	4.0	
164	10.0	8.4	12.6	

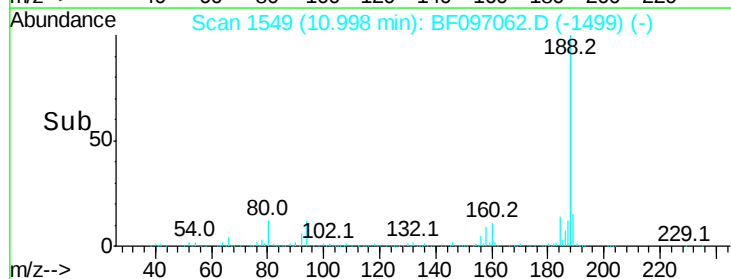
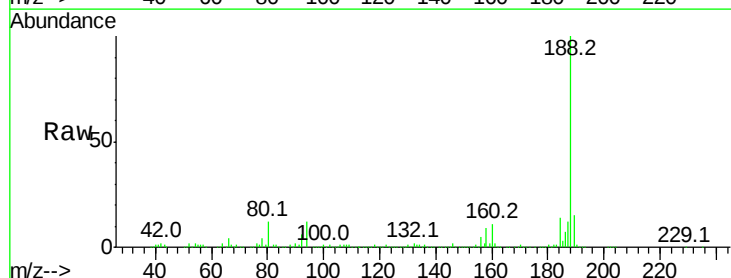
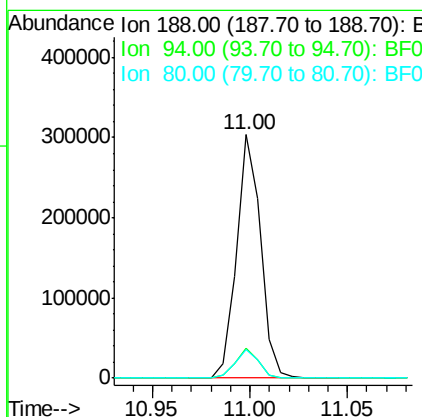
Manual Integrations
APPROVED

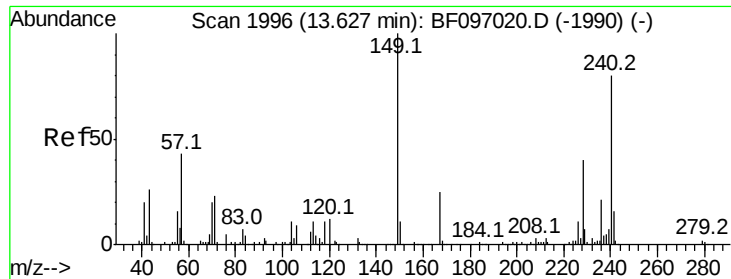
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.1	9.4	14.2	
80	11.8	10.2	15.2	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

Tot Ion:240 Resp: 223358
Ion Ratio Lower Upper

240 100

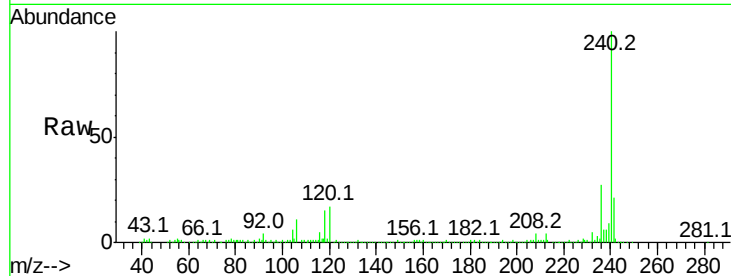
120 16.6 5.8 8.8#

236 26.8 20.5 30.7

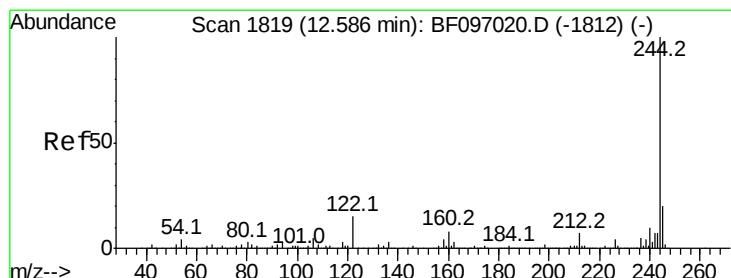
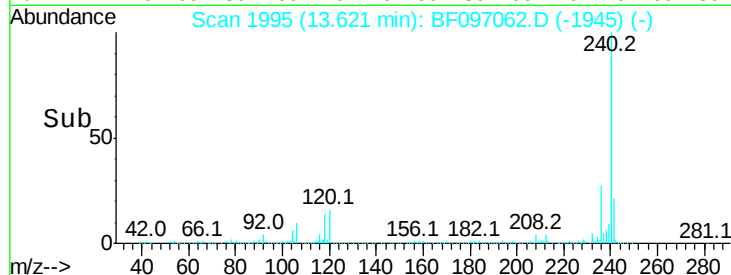
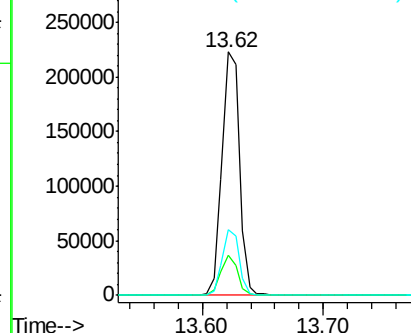
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 8.062 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097062.D

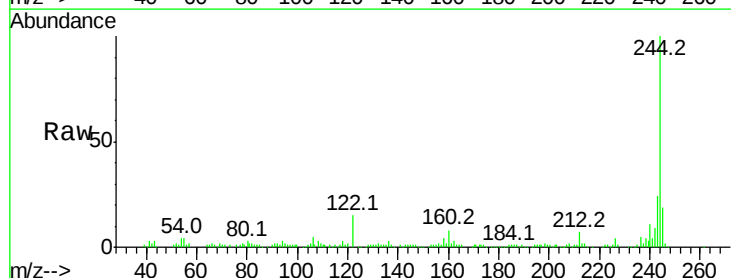
Acq: 26 Jul 2017 7:29

Tgt Ion:244 Resp: 88321
Ion Ratio Lower Upper

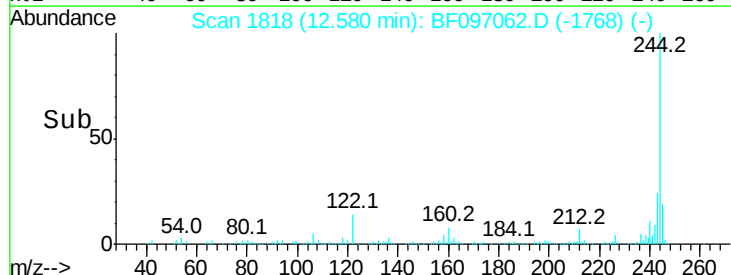
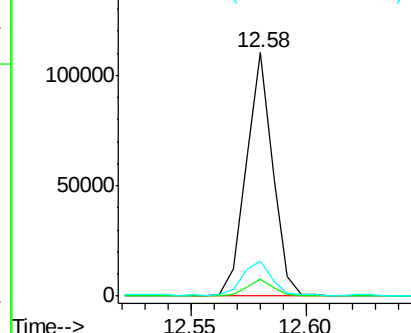
244 100

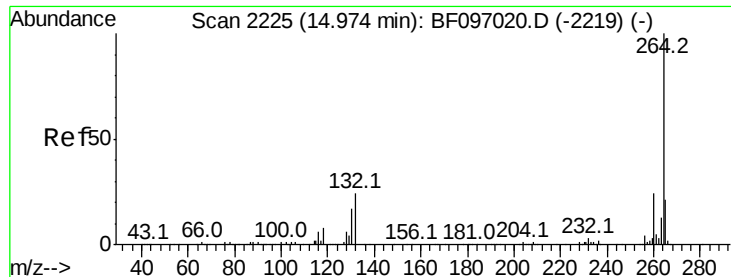
212 6.8 6.0 9.0

122 14.5 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





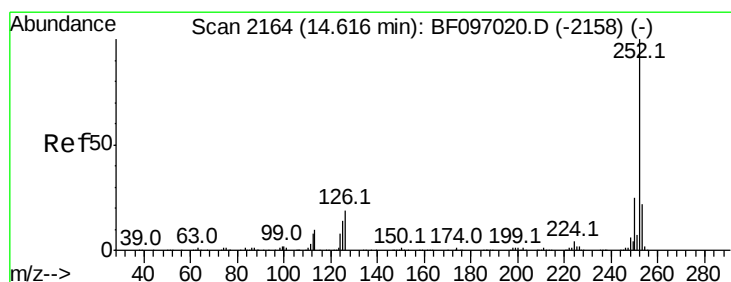
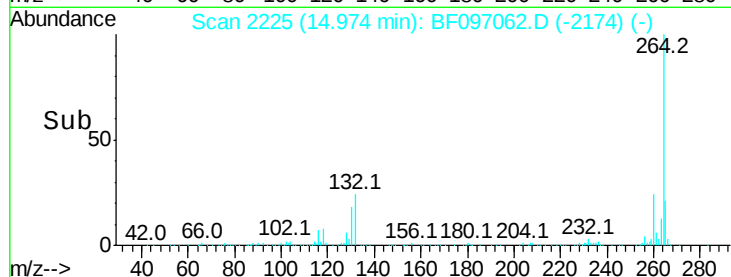
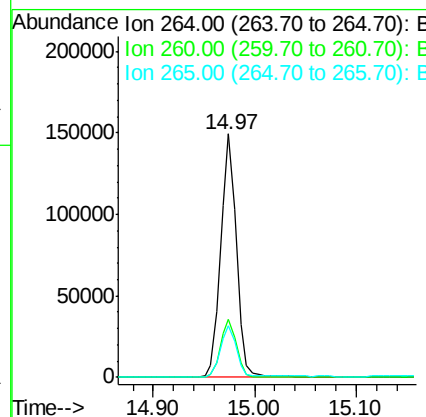
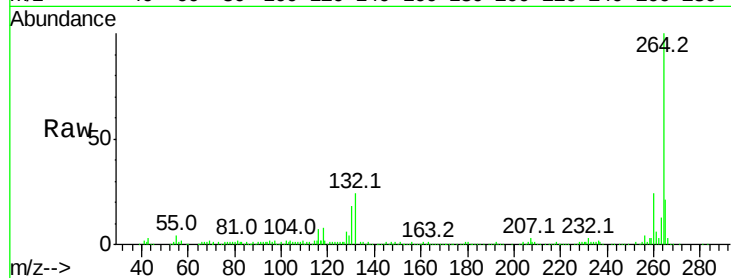
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.3	17.2	25.8

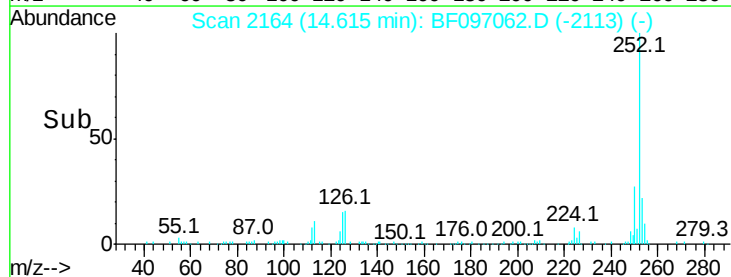
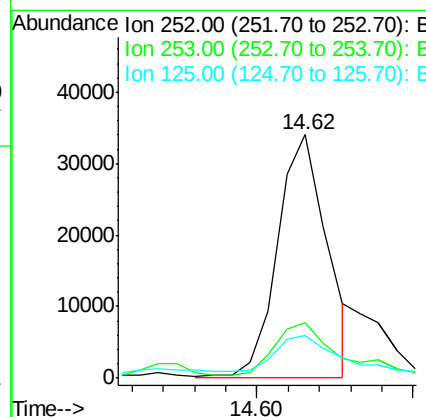
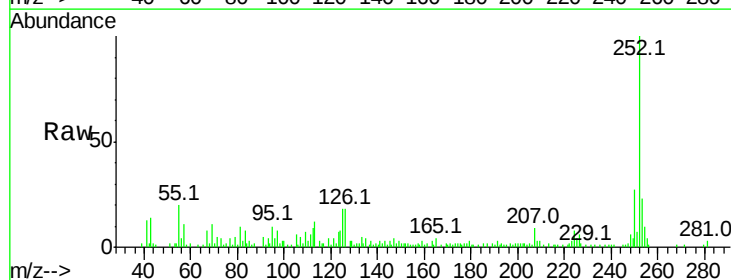
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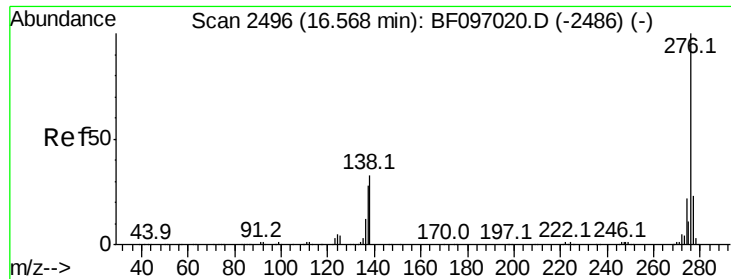
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#87
Benzo(b)fluoranthene
Concen: 3.864 ng m
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	17.8	9.8	14.8#





#91
 Benzo(a,h,i)perylene
 Concen: 3.303 ng
 RT: 16.56 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.1	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
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