

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097621.D
 Acq On : 12 Aug 2017 5:31
 Operator : SJ/JU
 Sample : I4646-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Manual Integrations
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Quant Time: Aug 14 01:32:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	108236	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	441649	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	186818	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	277670	20.00	ng	0.00
75) Chrysene-d12	18.46	240	158503	20.00	ng	0.00
86) Perylene-d12	20.13	264	154882	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	89772	13.18	ng	0.05
7) Phenol-d6	7.10	99	132586	15.70	ng	0.04
23) Nitrobenzene-d5	8.43	82	81595	11.58	ng	0.01
41) 2,4,6-Tribromophenol	13.67	330	19000	13.38	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	128388	10.37	ng	0.00
78) Terphenyl-d14	17.12	244	57565	7.52	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	7.16	93	22836	3.078	ng	92
31) Naphthalene	9.57	128	57291	2.590	ng	99
49) Dimethylphthalate	12.02	163	33962	2.359	ng	99
67) Hexachlorobenzene	14.15	284	30316	9.661	ng	# 84
70) Phenanthrene	14.80	178	69117	4.322	ng	98
77) Pyrene	16.87	202	28217	2.153	ng	97

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

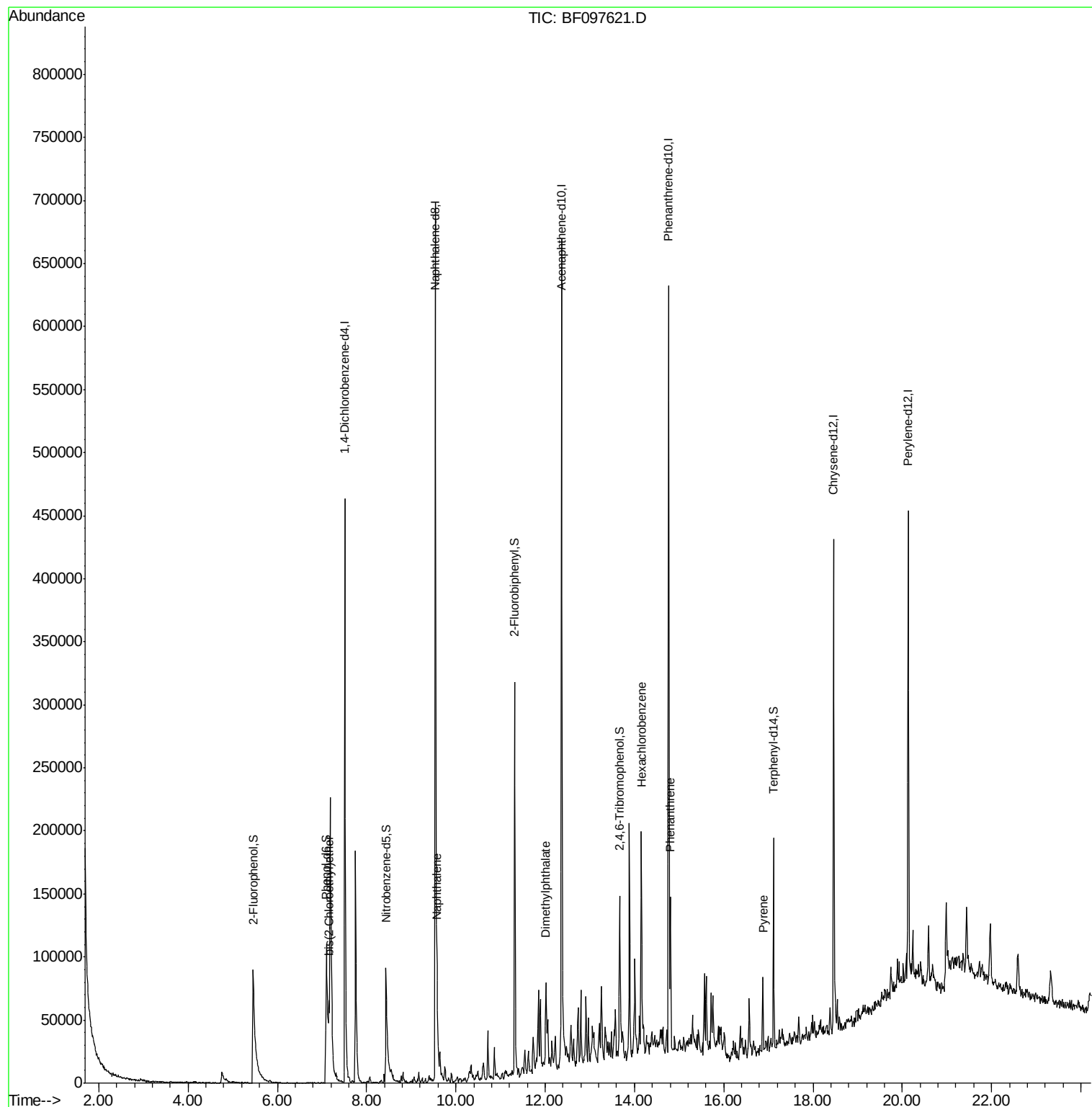
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097621.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4646-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

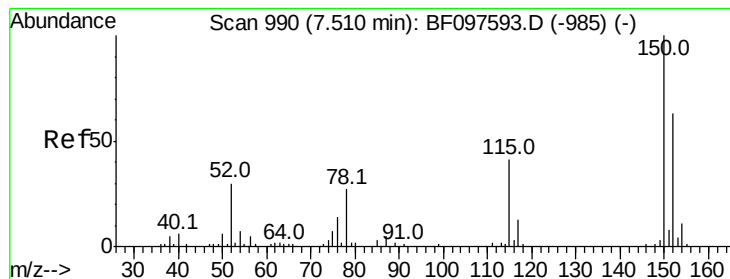
Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

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Quant Time: Aug 14 01:32:41 2017
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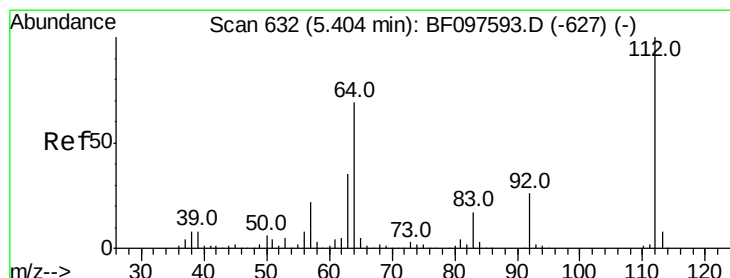
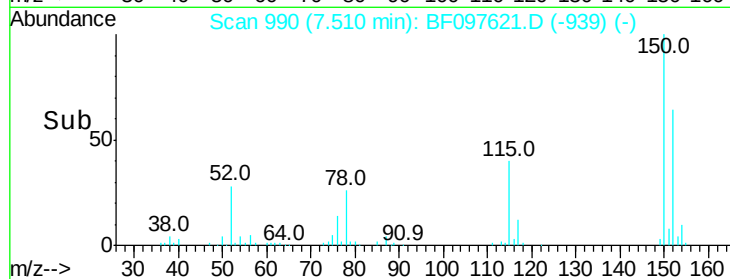
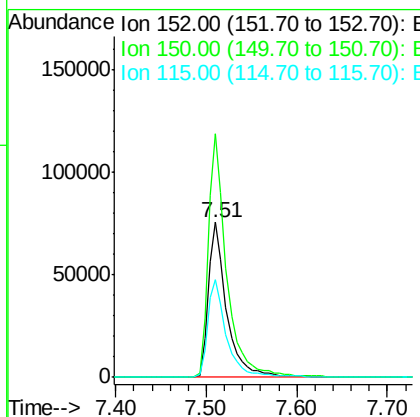
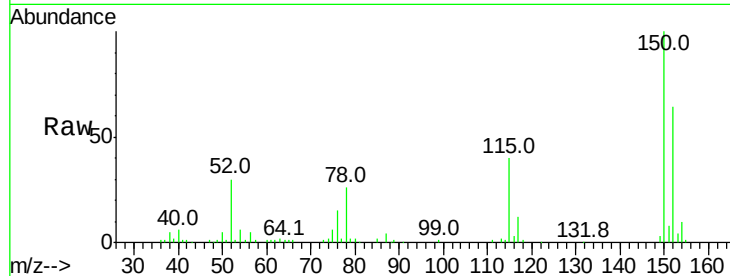
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.51 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	63.1	52.2	78.2

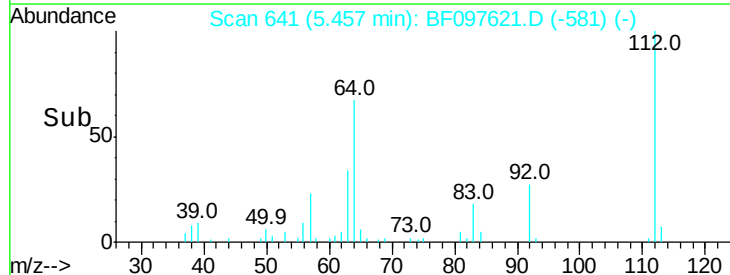
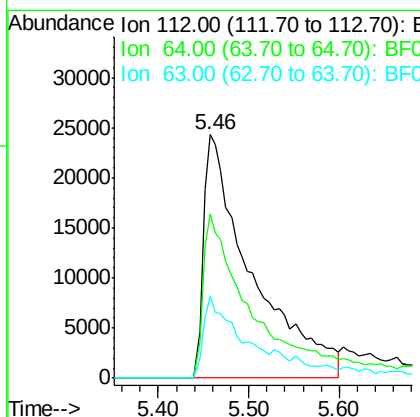
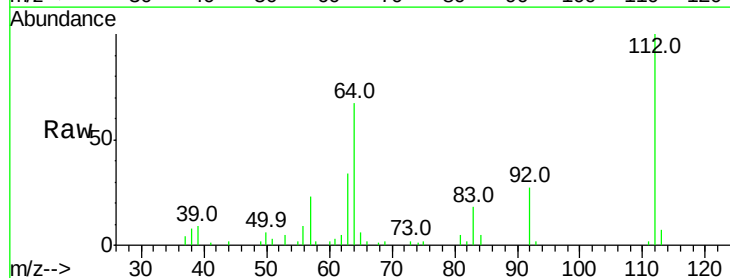
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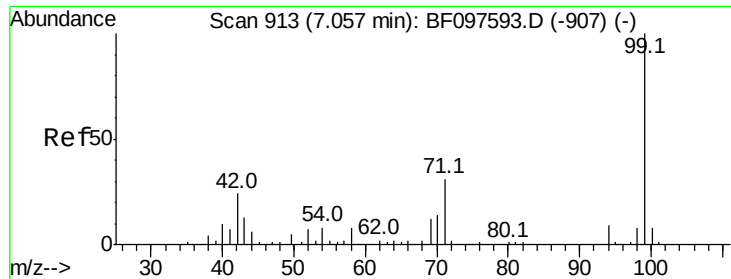
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#5
 2-Fluorophenol
 Concen: 13.183 ng
 RT: 5.46 min Scan# 641
 Delta R.T. 0.05 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 15.696 ng

RT: 7.10 min Scan# 920

Delta R.T. 0.04 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

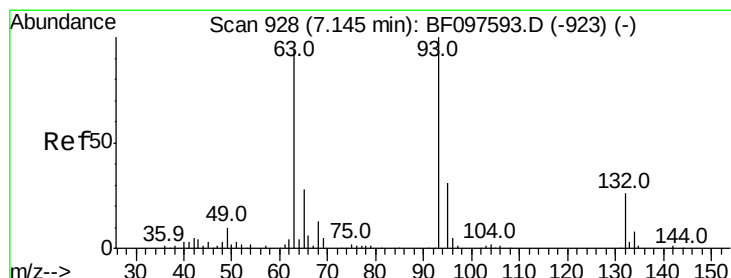
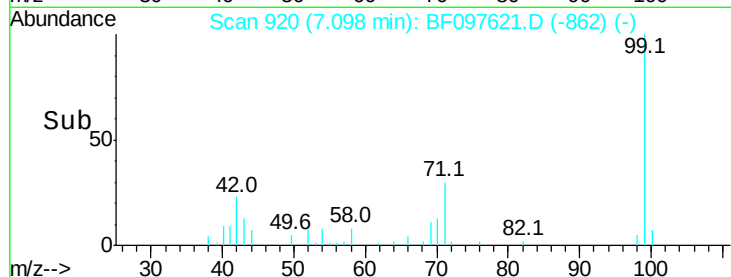
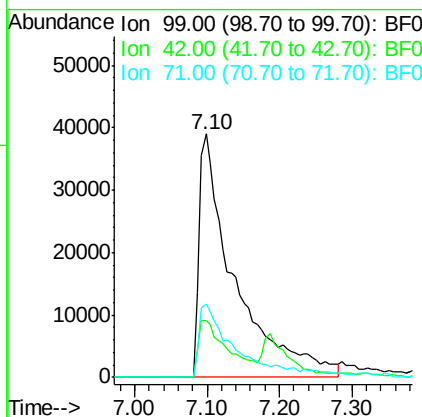
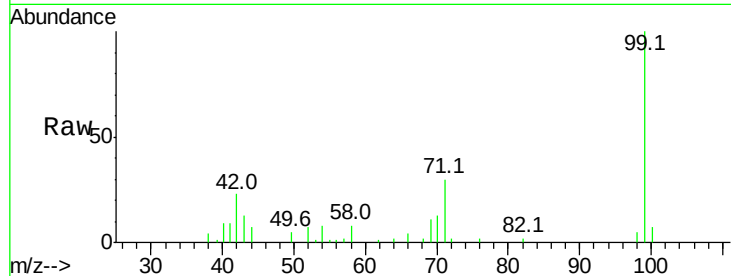
ClientSampled :

E2-L8-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		132586		
42	23.4	13.5	20.3#		
71	30.4	24.5	36.7		

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#11

bis(2-Chloroethyl)ether

Concen: 3.078 ng

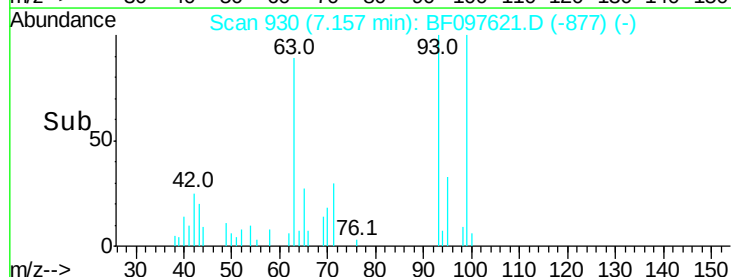
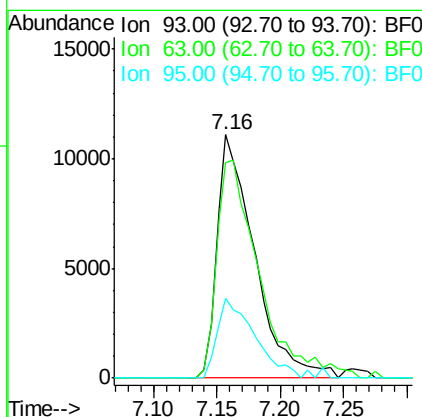
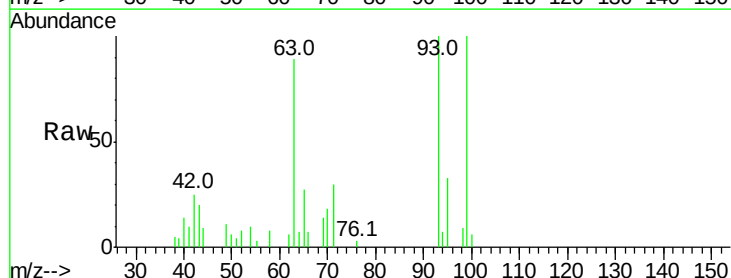
RT: 7.16 min Scan# 930

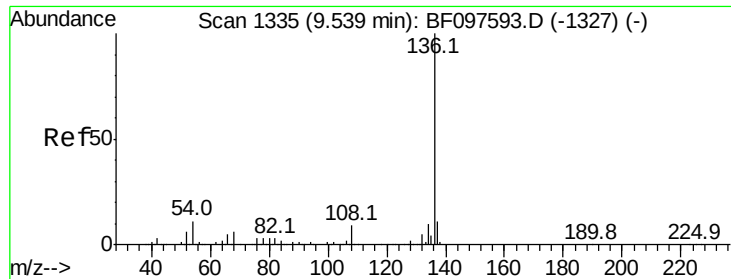
Delta R.T. 0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		22836		
63	88.7	59.2	99.2		
95	32.7	12.8	52.8		





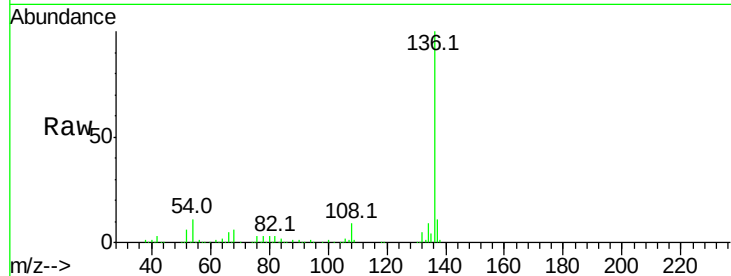
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.54 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

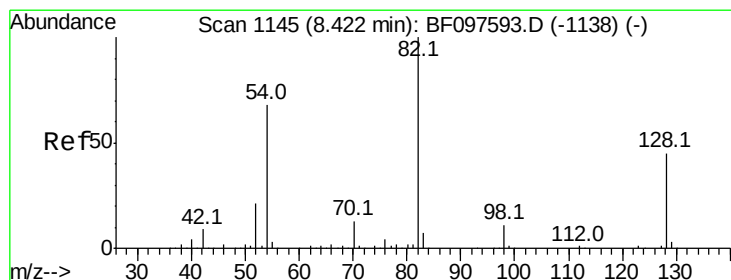
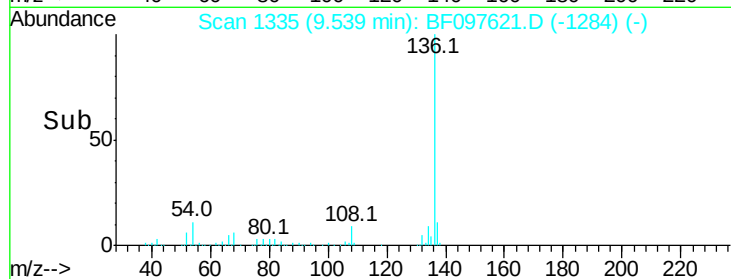
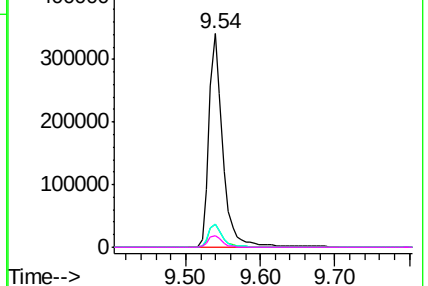
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		441649		
137	10.8		8.5	12.7	
54	10.6		4.9	7.3#	
68	5.7		4.1	6.1	

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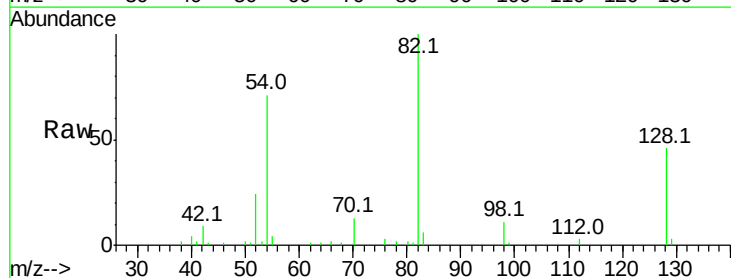


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

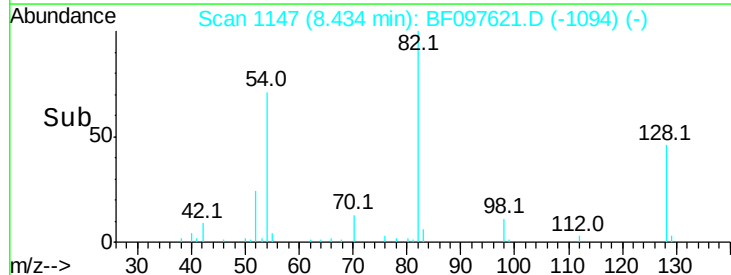
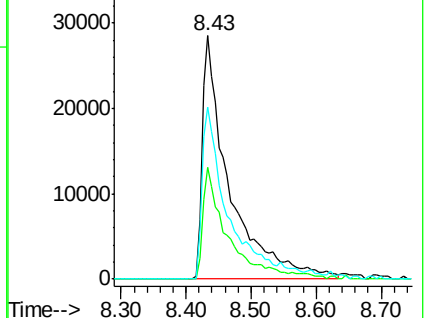


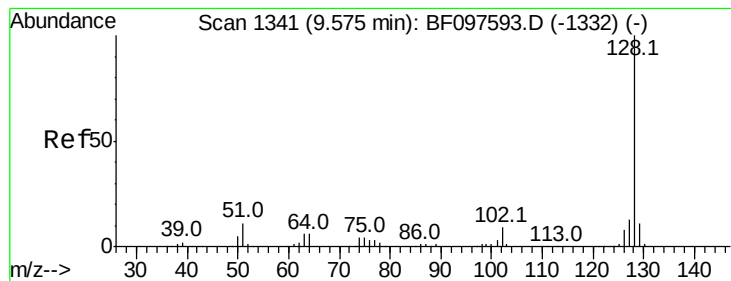
#23
Nitrobenzene-d5
Concen: 11.585 ng
RT: 8.43 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		81595		
128	45.8		34.0	51.0	
54	70.6		42.2	63.2#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.590 ng

RT: 9.57 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

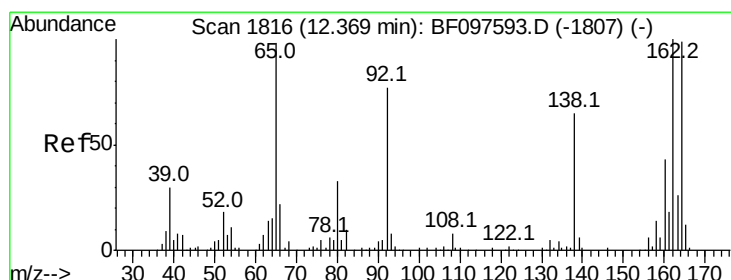
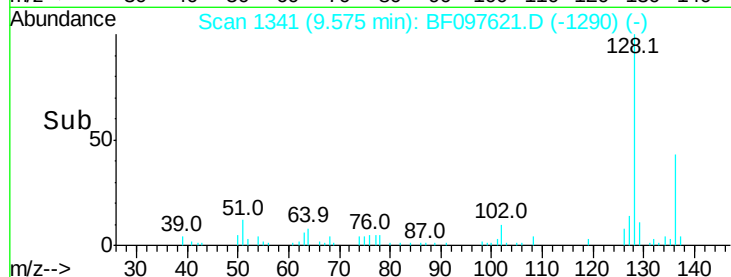
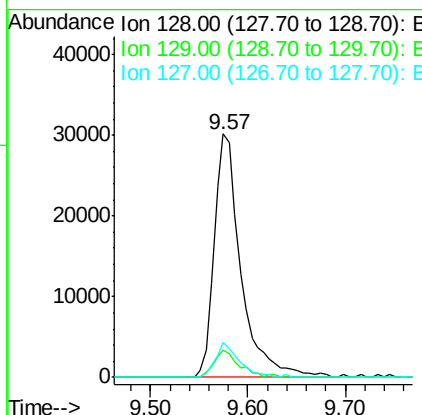
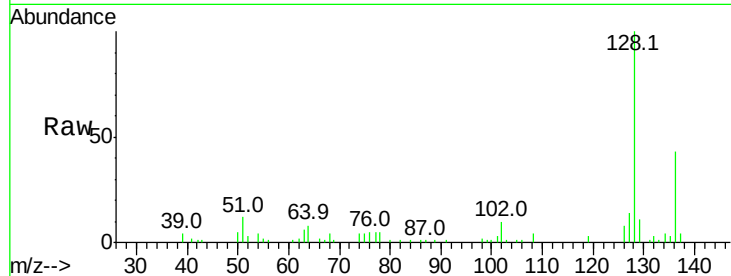
ClientSampleId :

E2-L8-BASE

Tot Ion:	128	Resp:	57291
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	14.2	10.8	16.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

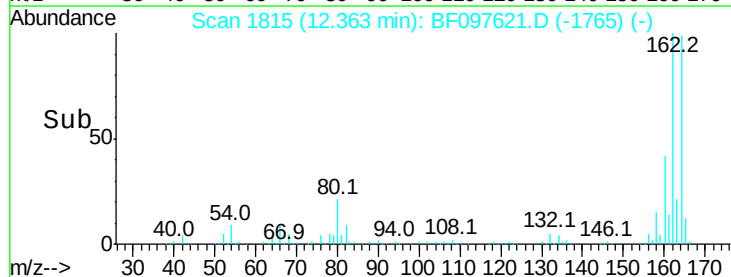
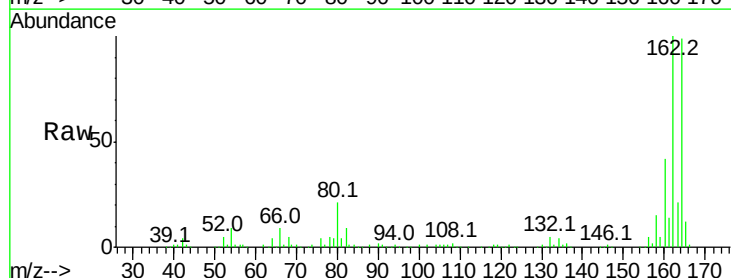
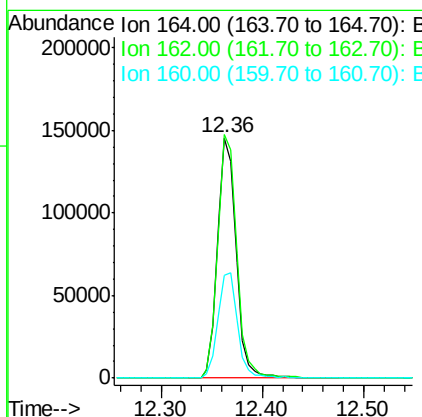
RT: 12.36 min Scan# 1815

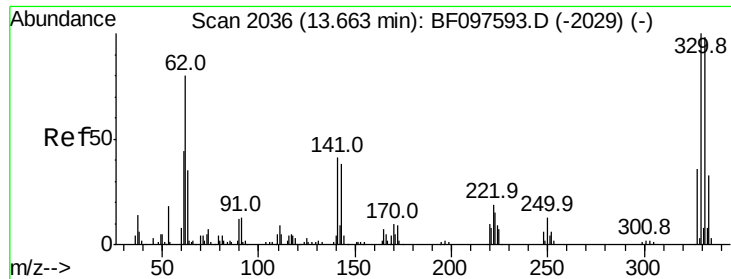
Delta R.T. -0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Tgt Ion:	164	Resp:	186818
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.6	123.8
160	42.9	36.2	54.2





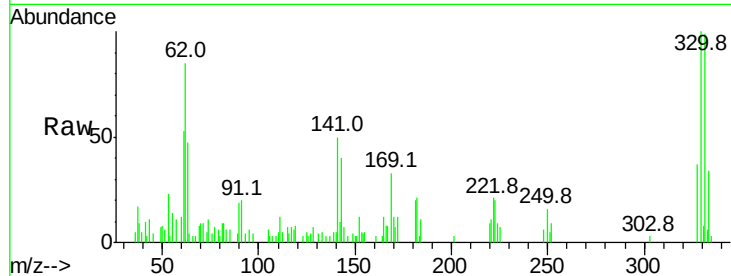
#41
 2,4,6-Tribromophenol
 Concen: 13.379 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampled :
 E2-L8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.2	76.6	115.0	
141	52.9	31.4	47.2	

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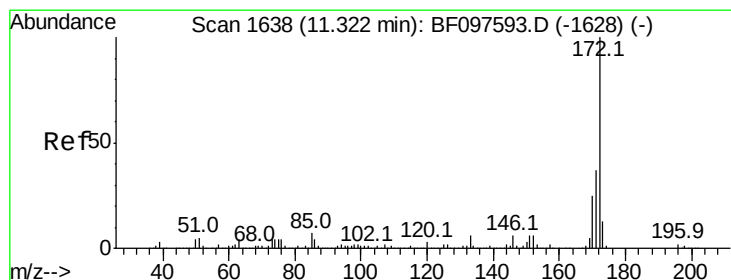
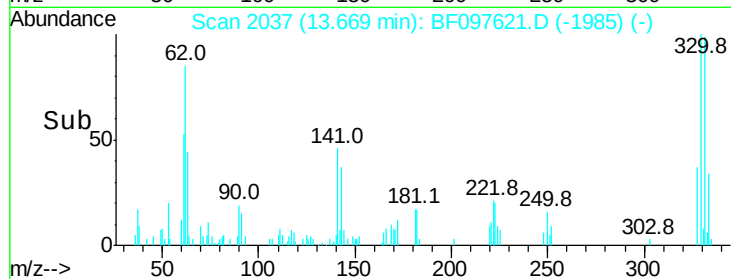
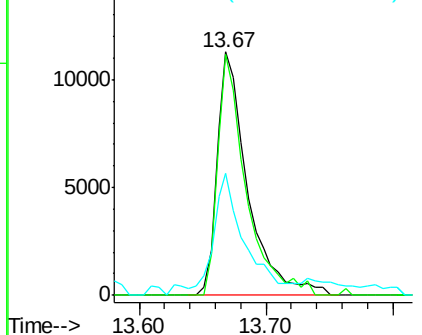


Abundance

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: 10.372 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

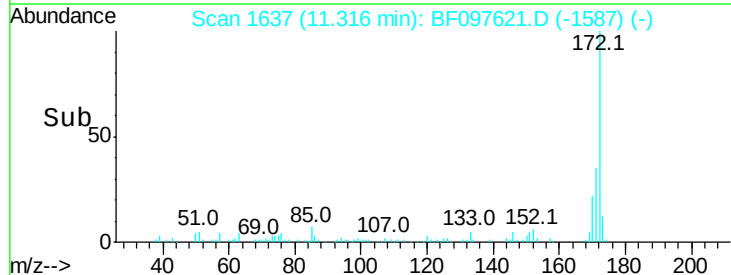
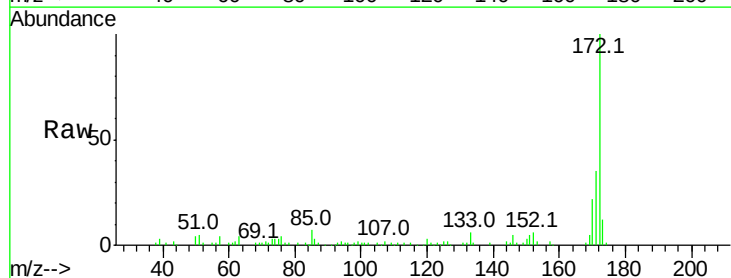
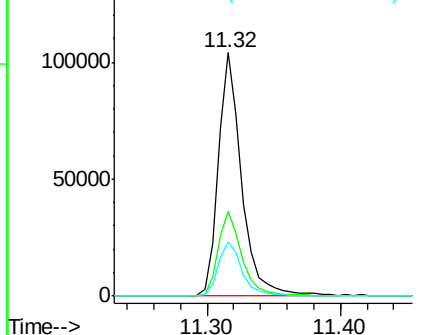
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.6	44.4	
170	22.4	19.8	29.8	

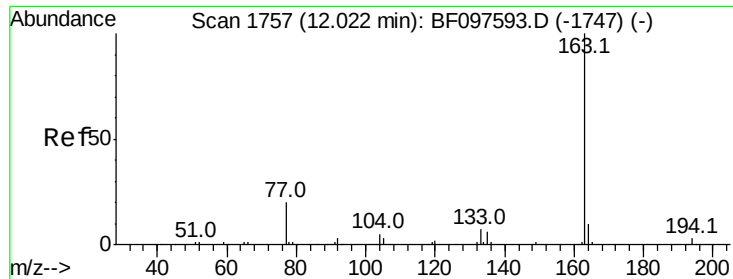
Abundance

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





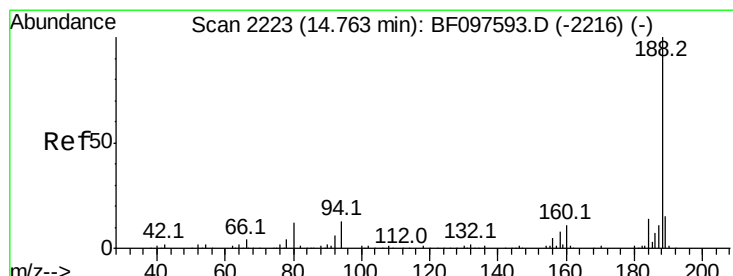
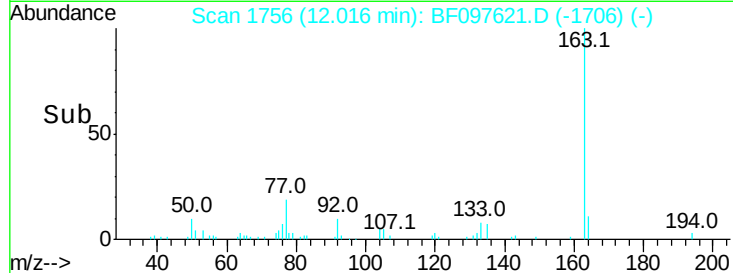
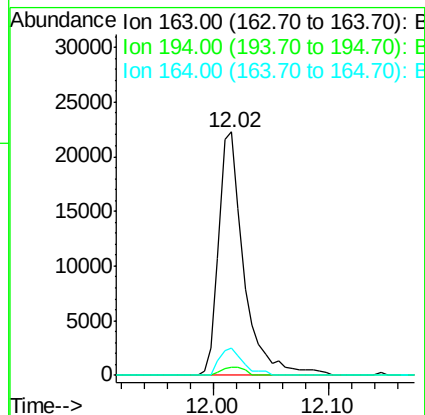
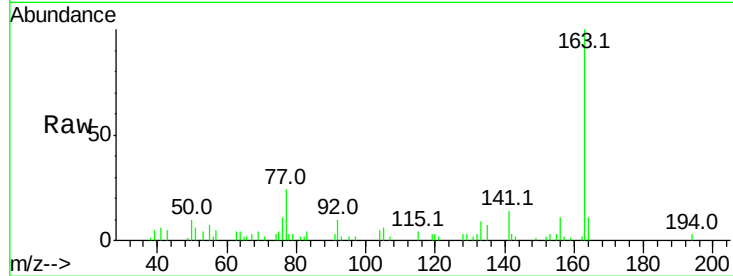
#49
Dimethylphthalate
Concen: 2.359 ng
RT: 12.02 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

Tot Ion:	163	Resp:	33962
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	11.0	8.4	12.6

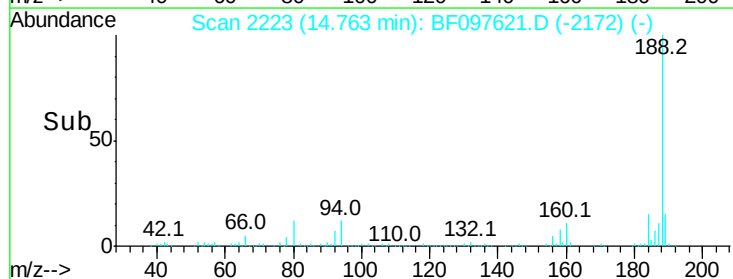
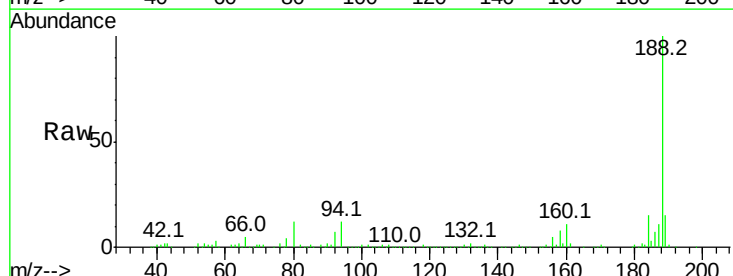
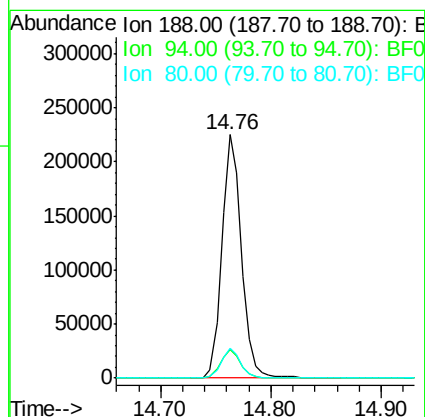
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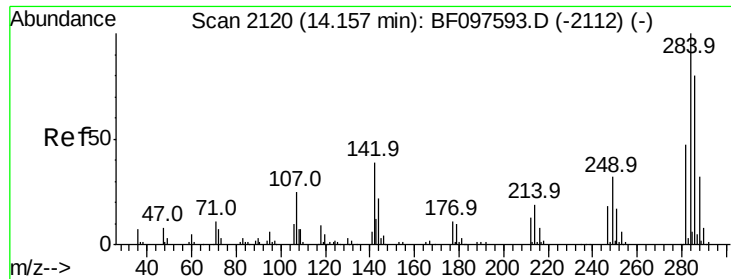
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Tgt Ion:	188	Resp:	277670
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.1	10.2	15.2





#67

Hexachlorobenzene

Concen: 9.661 ng

RT: 14.15 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

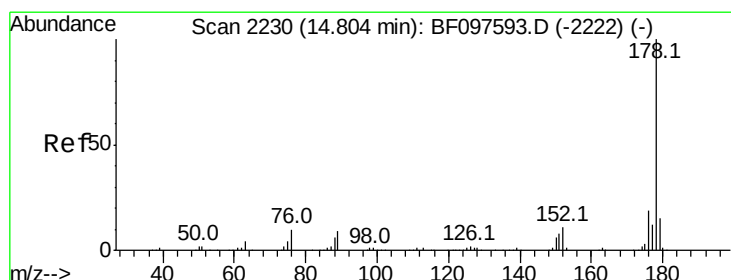
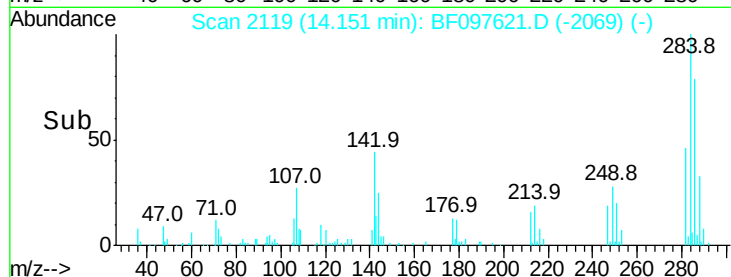
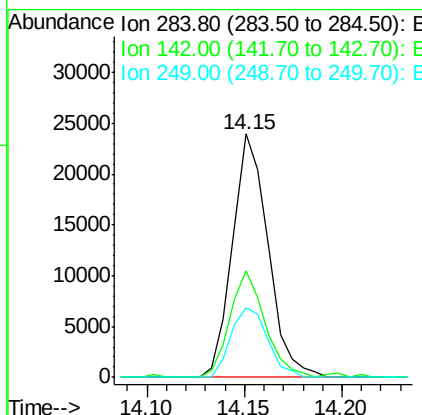
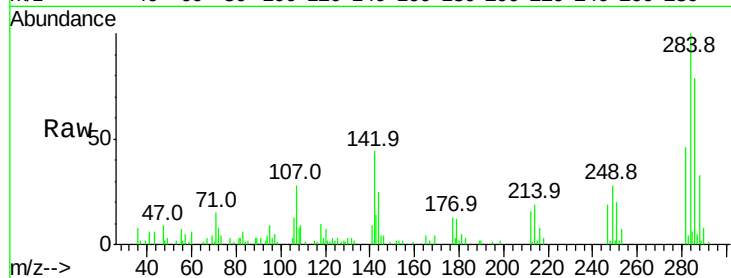
ClientSampleId :

E2-L8-BASE

Tot Ion:	284	Resp:	30316
Ion Ratio		Lower	Upper
284	100		
142	43.9	22.8	34.2#
249	28.4	24.0	36.0

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#70

Phenanthrene

Concen: 4.322 ng

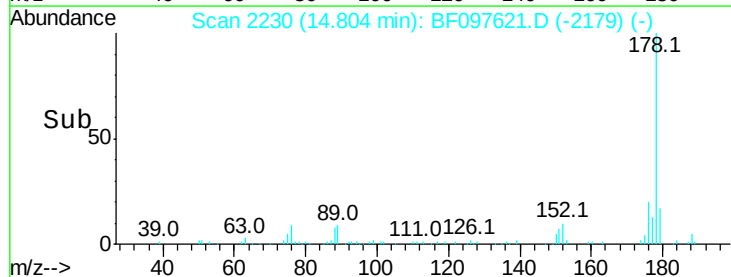
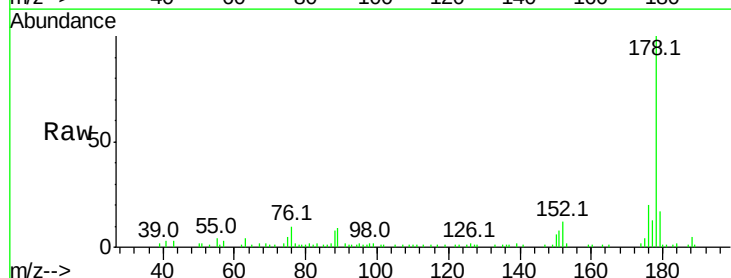
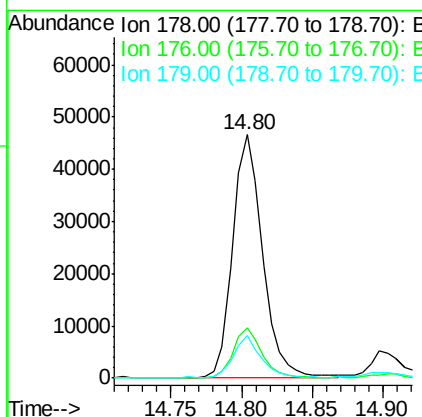
RT: 14.80 min Scan# 2230

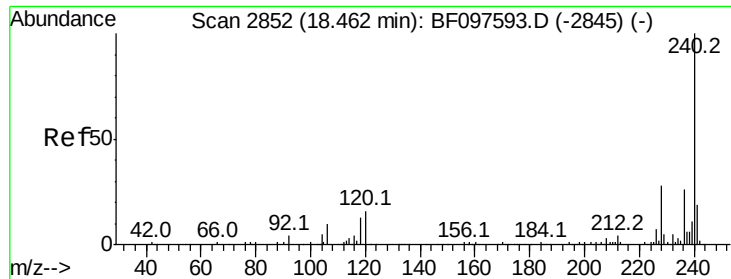
Delta R.T. 0.00 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Tgt Ion:	178	Resp:	69117
Ion Ratio		Lower	Upper
178	100		
176	20.4	16.2	24.4
179	17.4	12.6	19.0





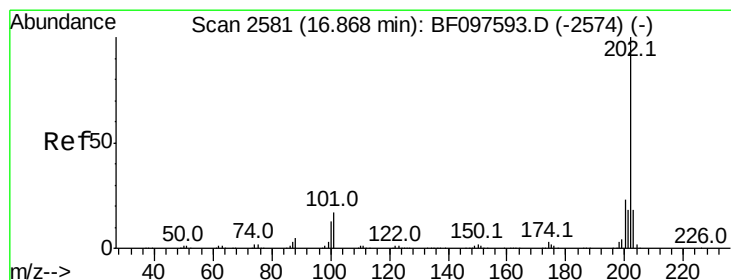
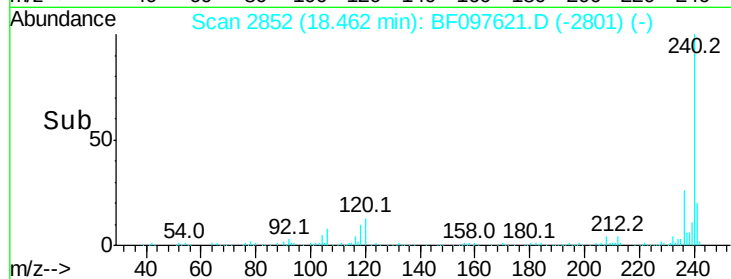
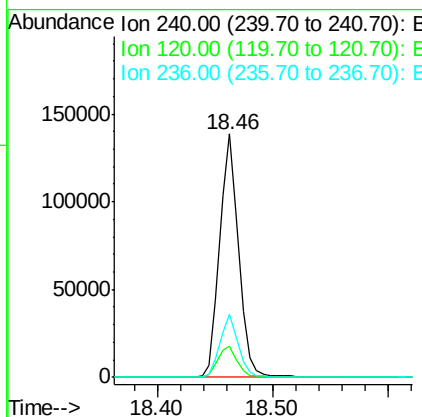
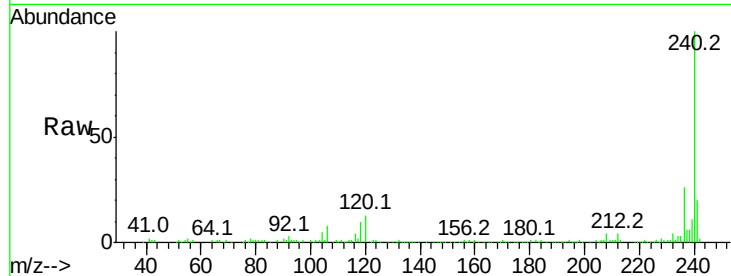
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.46 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	158503		
120	12.5	5.8	8.8#	
236	25.8	20.5	30.7	

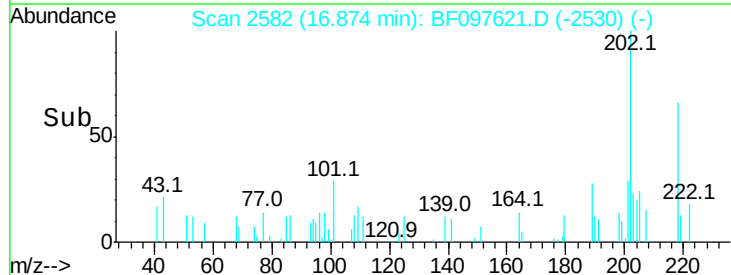
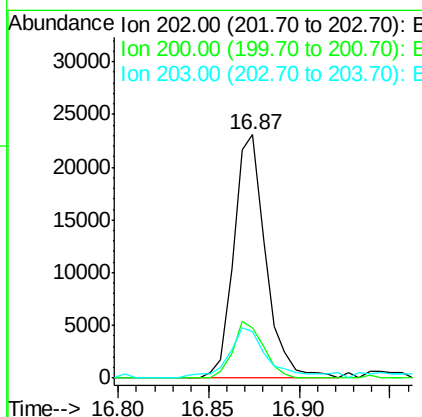
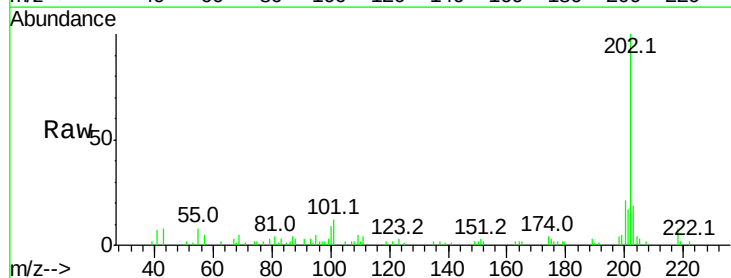
Manual Integrations
 APPROVED

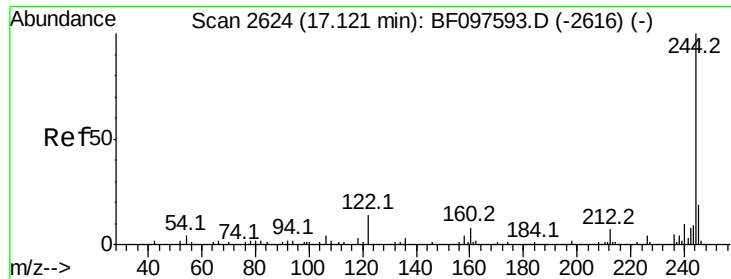
sohil
 8/14/2017 6:55:21 PM



#77
 Pyrene
 Concen: 2.153 ng
 RT: 16.87 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	28217		
200	20.7	17.6	26.4	
203	19.0	14.4	21.6	





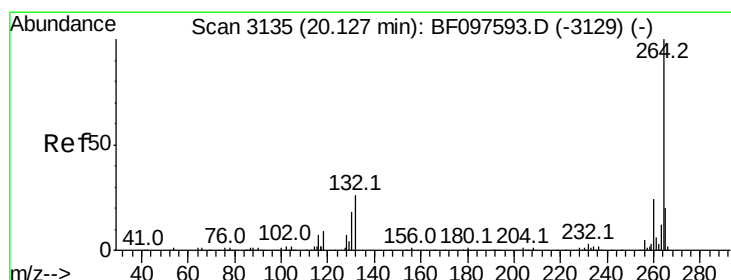
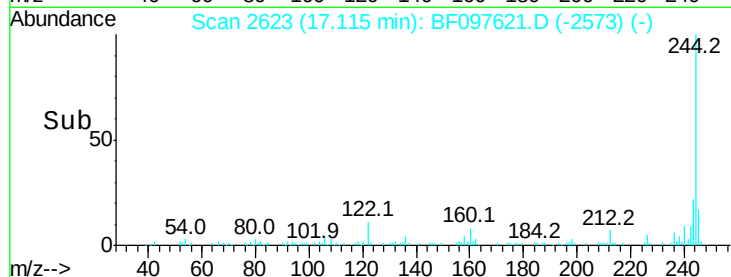
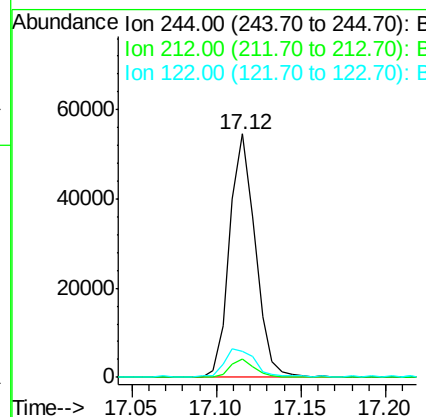
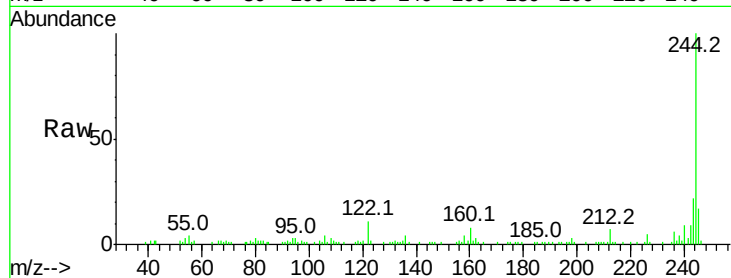
#78
 Terphenyl-d14
 Concen: 7.517 ng
 RT: 17.12 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.9	10.3	15.5

Manual Integrations
 APPROVED

sohil
 8/14/2017 6:55:21 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 20.13 min Scan# 3136
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.5	17.2	25.8

