

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097238.D
 Acq On : 1 Aug 2017 18:19
 Operator : SJ/JU
 Sample : I4471-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW-DUP

Manual Integrations
 APPROVED

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 8/2/2017 7:15:19 PM

Quant Time: Aug 02 14:19:17 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	6.46	152	103660	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	335952	20.00	ng	-0.04
38) Acenaphthene-d10	9.51	164	100309	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	156380	20.00	ng	-0.02
75) Chrysene-d12	13.60	240	195030	20.00	ng	-0.03
86) Perylene-d12	14.94	264	148408	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	777341	113.05	ng	-0.02
7) Phenol-d6	6.15	99	918502	117.00	ng	-0.02
23) Nitrobenzene-d5	7.03	82	515223	89.97	ng	-0.04
41) 2,4,6-Tribromophenol	10.30	330	79982	100.92	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	12.56	244	377765	39.49	ng	-0.03
Target Compounds						
10) Phenol	6.16	94	47064	5.054	ng	Qvalue 90
49) Dimethylphthalate	9.24	163	225324	29.581	ng	# 97
51) Acenaphthene	9.54	154	32610	5.721	ng	# 88
57) Fluorene	10.06	166	80134	14.042	ng	# 77
70) Phenanthrene	11.01	178	72206	8.618	ng	# 69
74) Fluoranthene	12.19	202	39840	4.854	ng	84
77) Pyrene	12.41	202	64860	4.062	ng	96
82) Chrysene	13.62	228	27612	2.241	ng	# 67
87) Benzo(b)fluoranthene	14.59	252	19502m	2.186	ng	

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

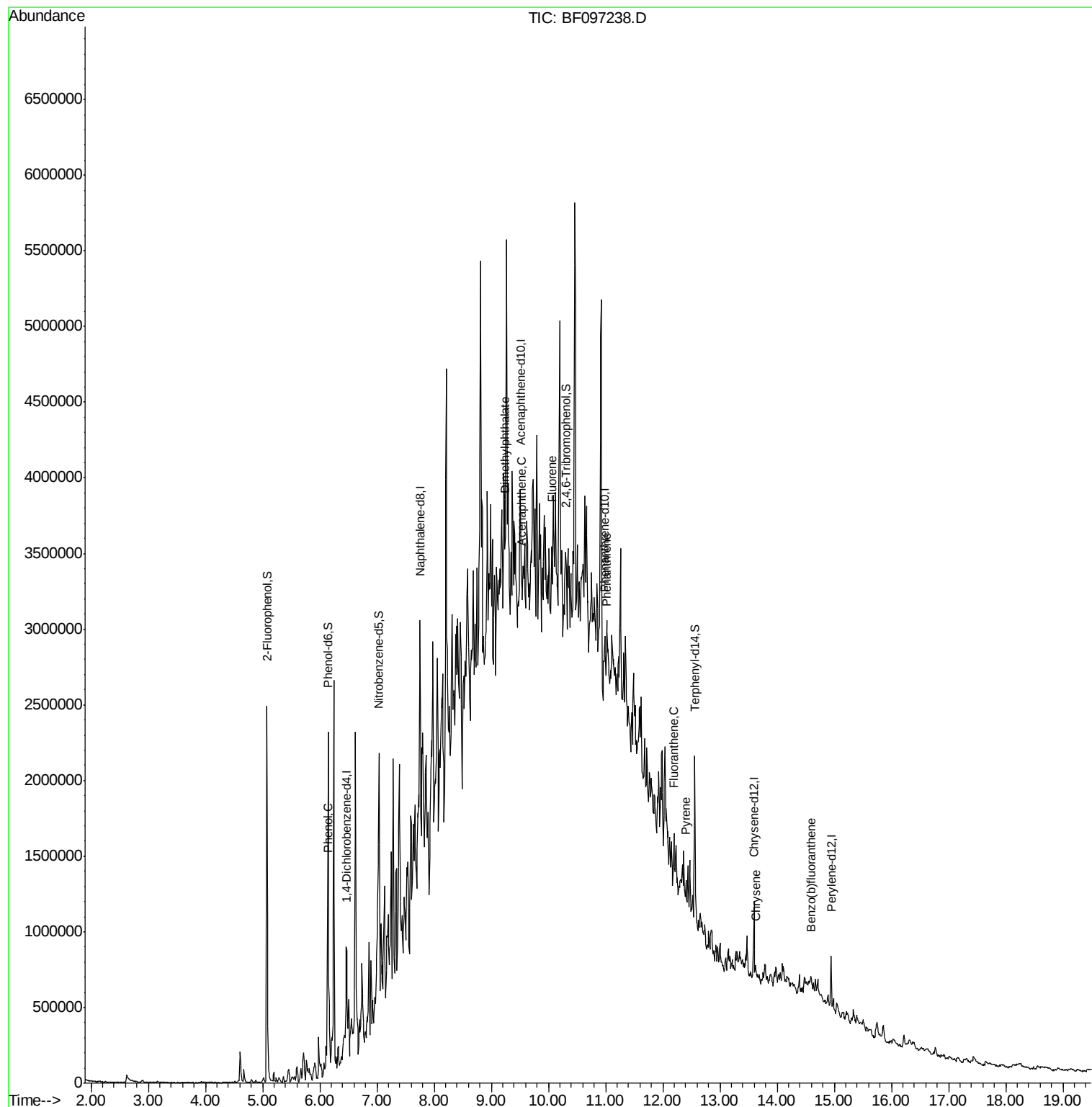
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

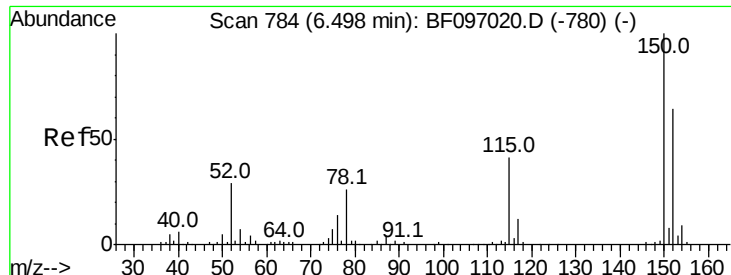
Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW-DUP

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Quant Time: Aug 02 14:19:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

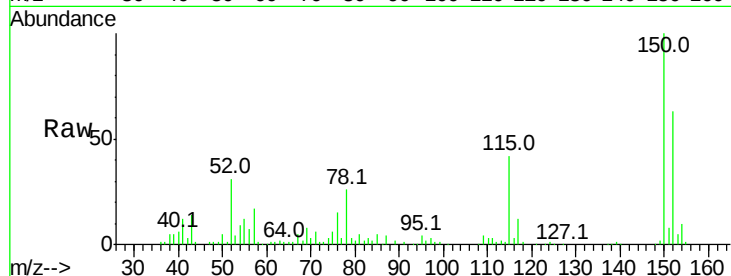
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW-DUP

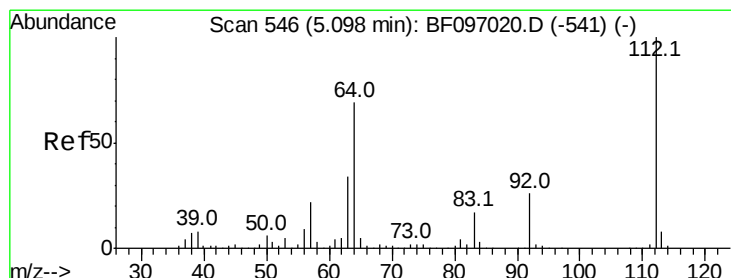
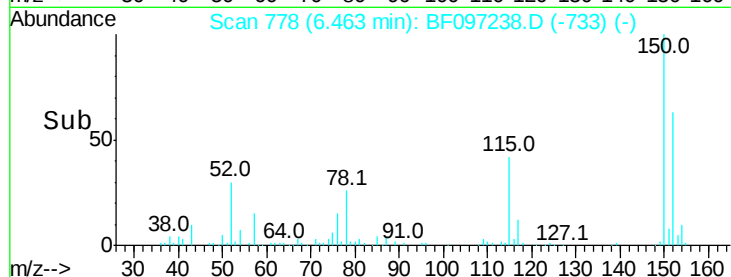
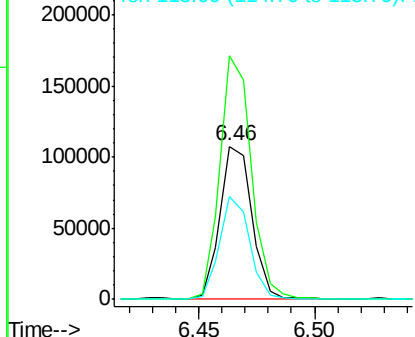
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.2	189.2
115	67.3	52.2	78.2

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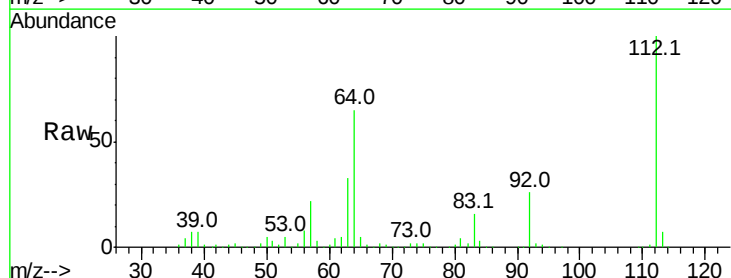
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



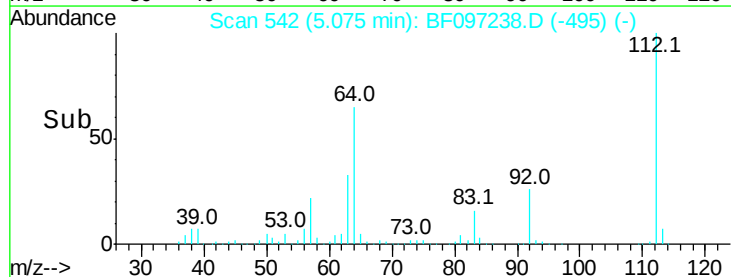
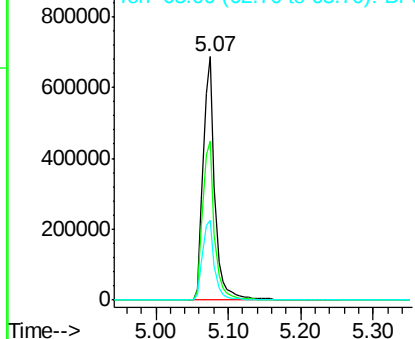
#5

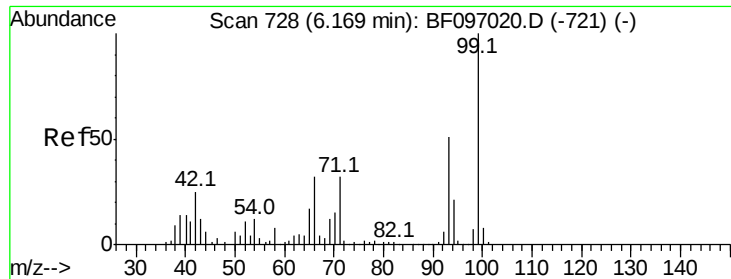
2-Fluorophenol
Concen: 113.046 ng
RT: 5.07 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	46.0	69.0
63	32.8	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: 117.004 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

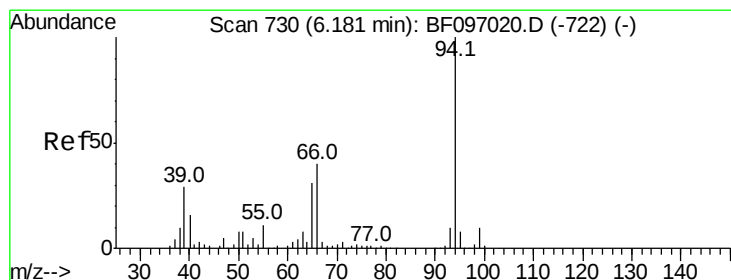
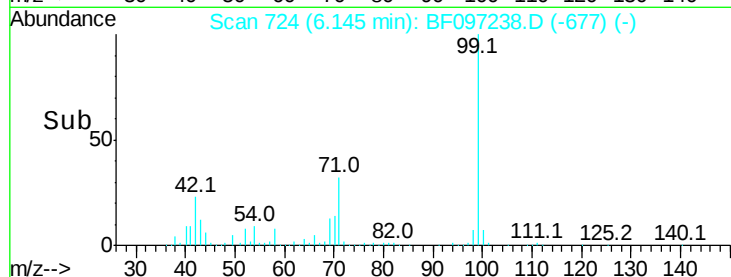
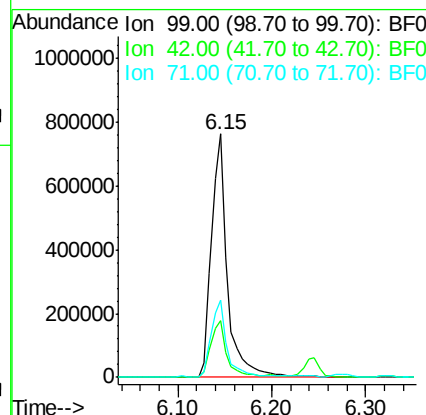
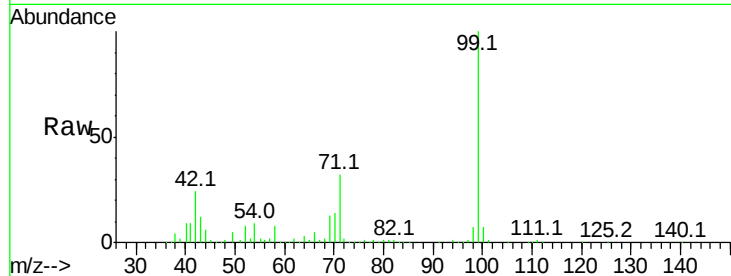
ClientSampleId :

E2-L6-NSW-DUP

Tot Ion:	99	Resp:	918502
Ion Ratio	Lower	Upper	
99	100		
42	23.5	13.5	20.3#
71	31.7	24.5	36.7

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#10

Phenol

Concen: 5.054 ng

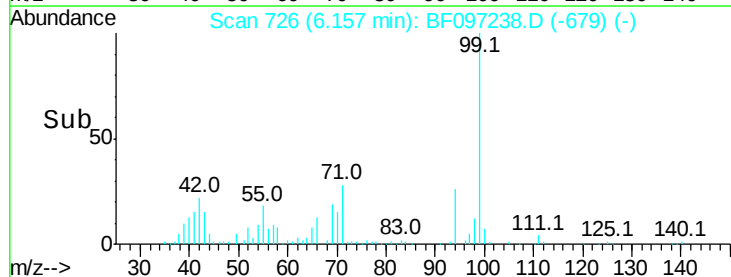
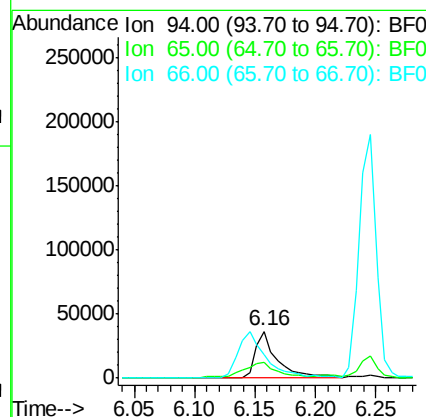
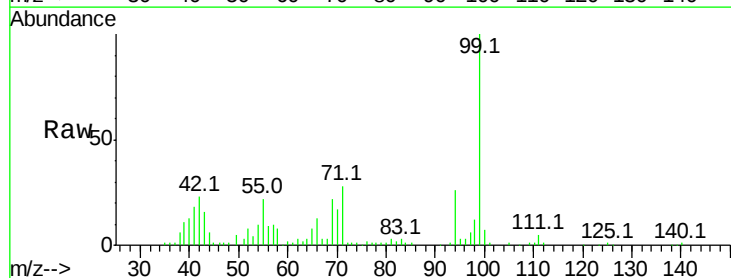
RT: 6.16 min Scan# 726

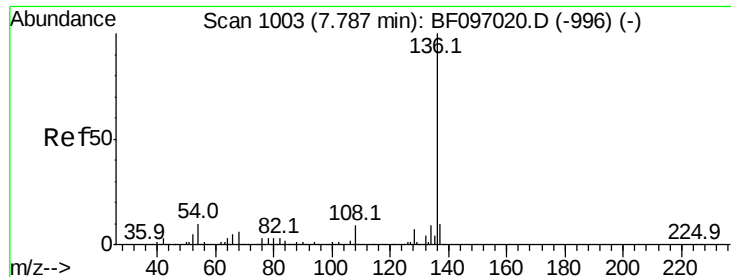
Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Tgt Ion:	94	Resp:	47064
Ion Ratio	Lower	Upper	
94	100		
65	32.9	9.9	49.9
66	51.8	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

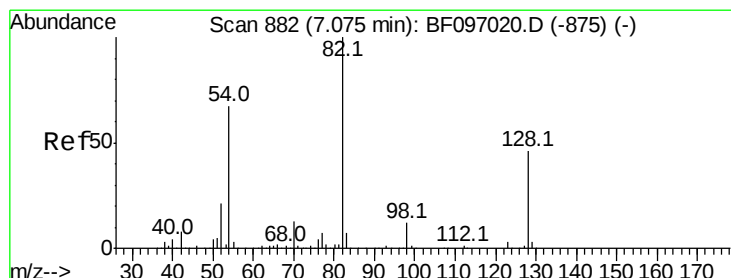
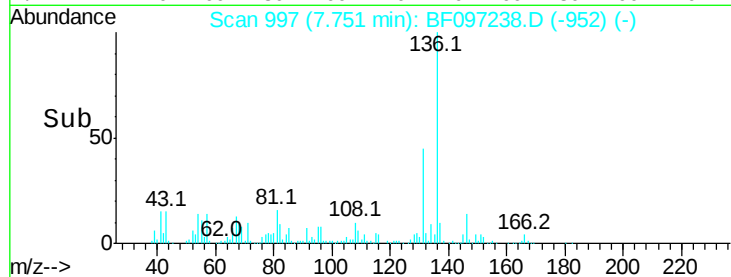
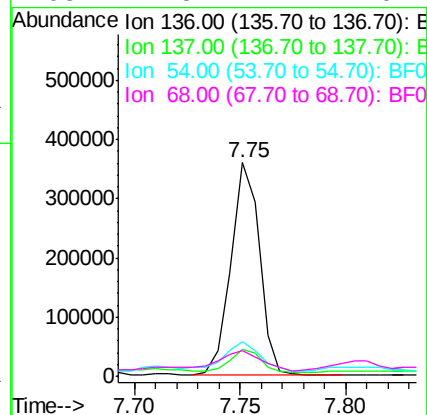
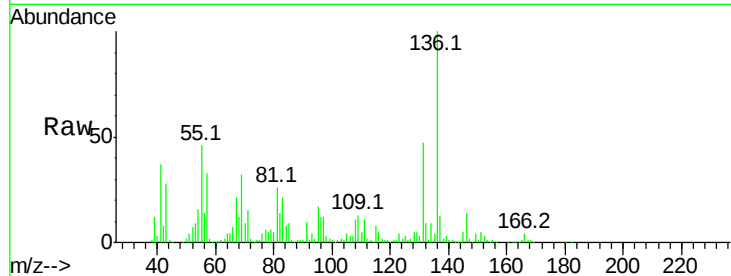
ClientSampleId :

E2-L6-NSW-DUP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.8	8.5	12.7#
54	16.2	4.9	7.3#
68	11.8	4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 89.968 ng

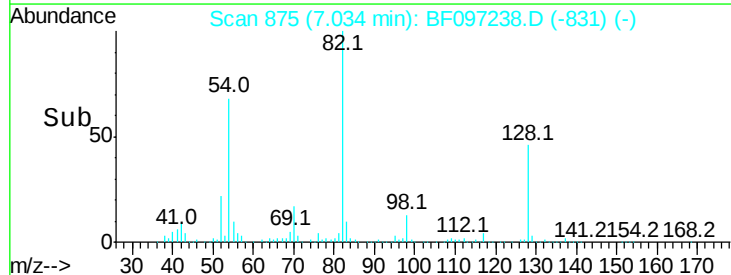
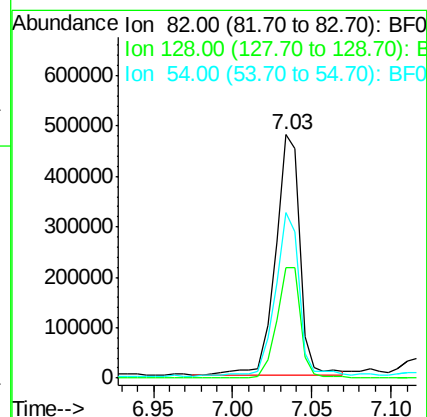
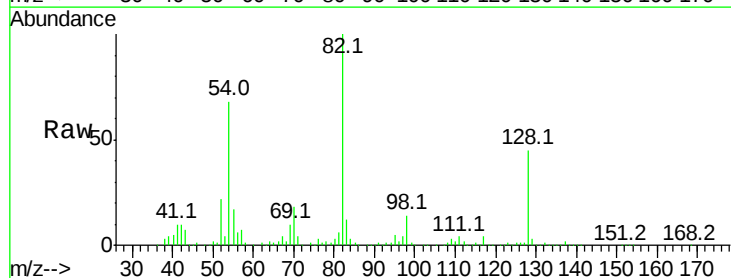
RT: 7.03 min Scan# 875

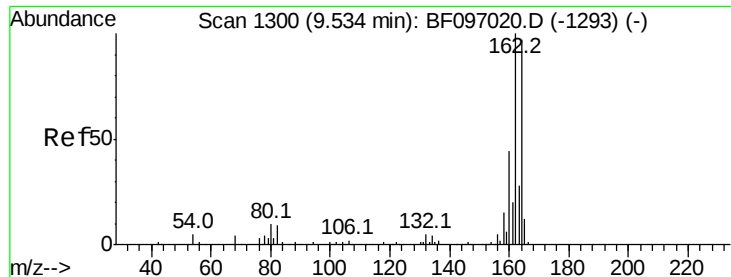
Delta R.T. -0.04 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.4	34.0	51.0
54	68.2	42.2	63.2#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

ClientSampleId :

E2-L6-NSW-DUP

Tot Ion:164 Resp: 100309

Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

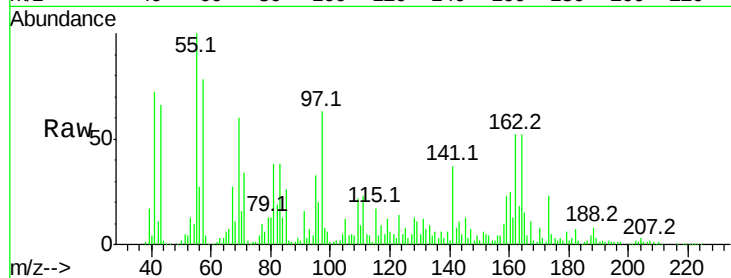
160 47.6 36.2 54.2

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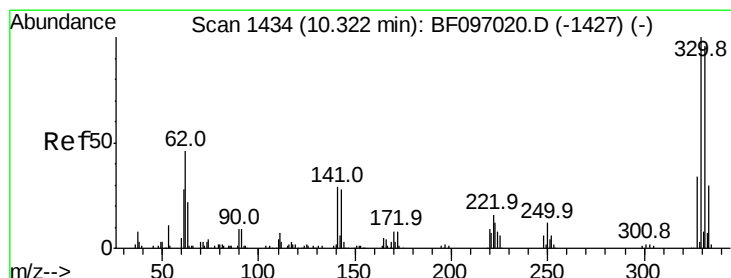
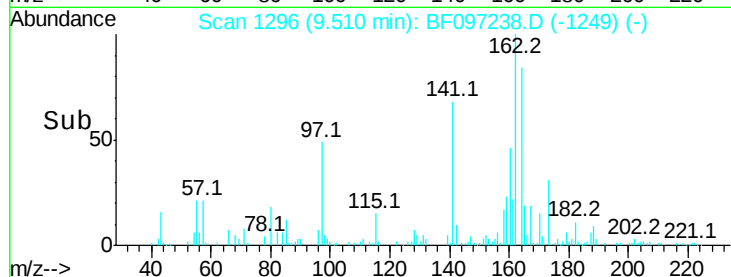
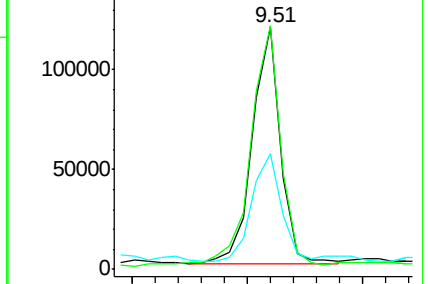
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 100.919 ng

RT: 10.30 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

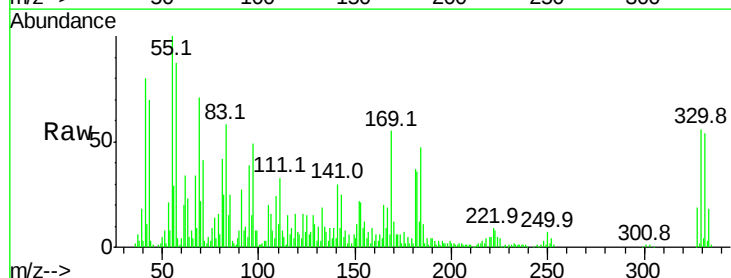
Tgt Ion:330 Resp: 79982

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

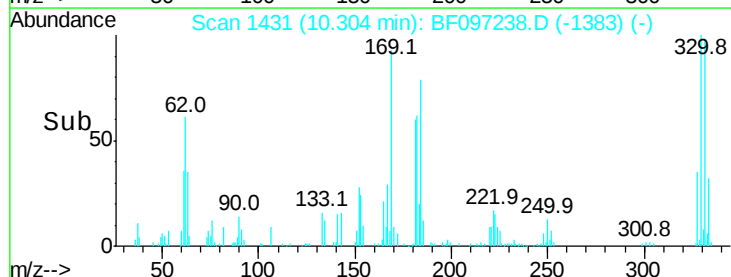
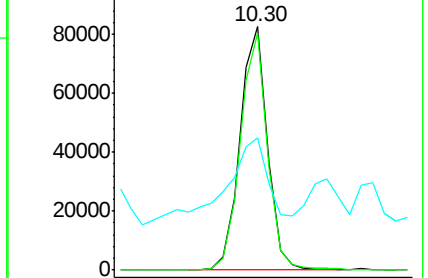
141 57.6 31.4 47.2#

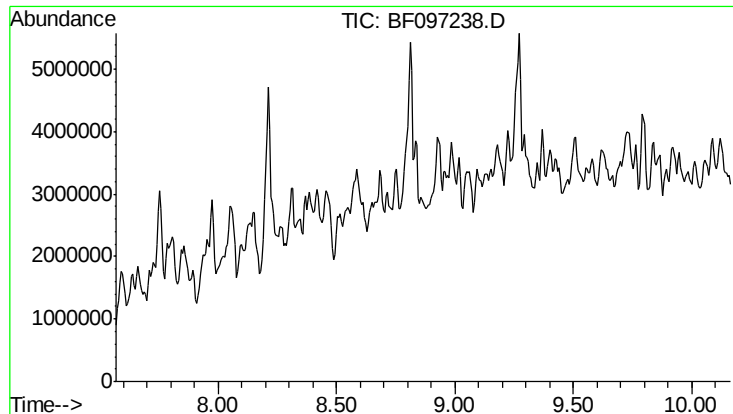


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





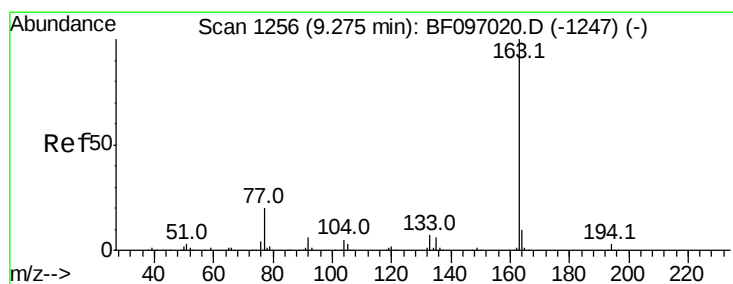
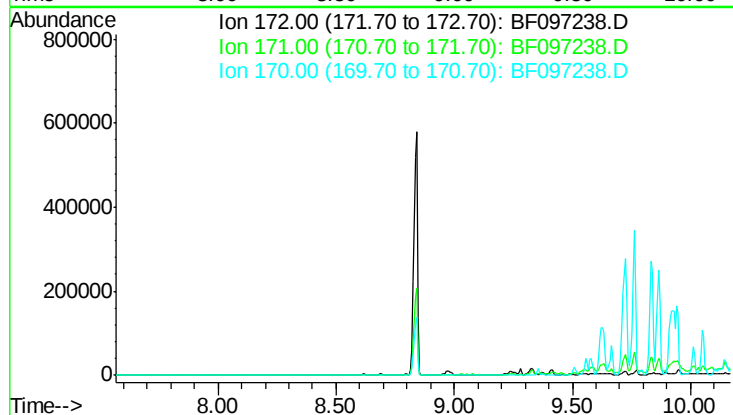
#44
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 8.87 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW-DUP

Tot Ion: 172
Sig Exp Ratio
172 100
171 37.0
170 24.8

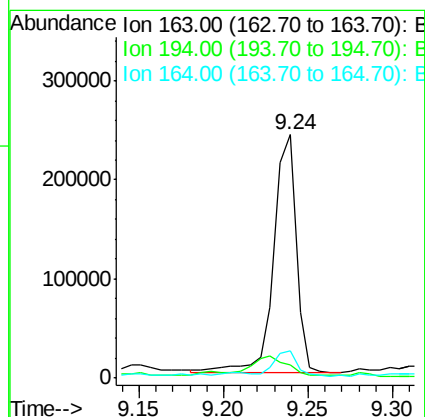
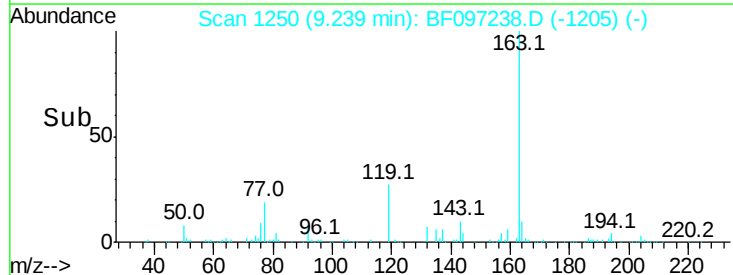
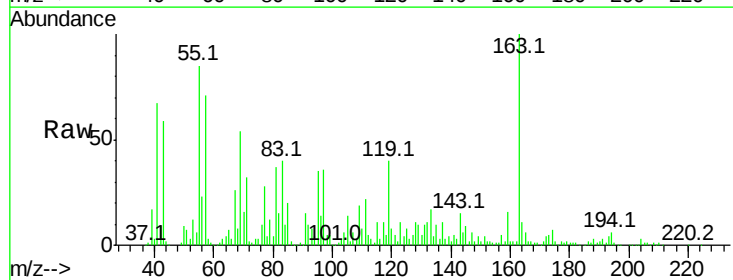
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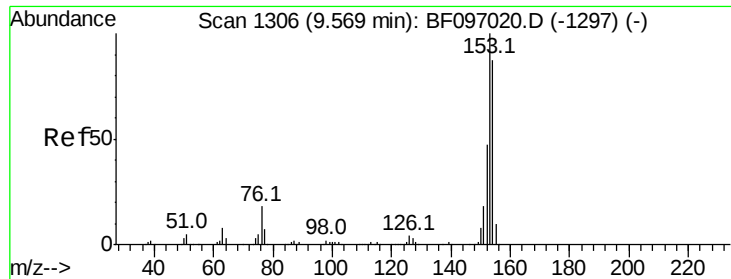
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#49
Dimethylphthalate
Concen: 29.581 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Tgt Ion:163 Resp: 225324
Ion Ratio Lower Upper
163 100
194 5.5 2.6 4.0#
164 11.2 8.4 12.6





#51

Acenaphthene

Concen: 5.721 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

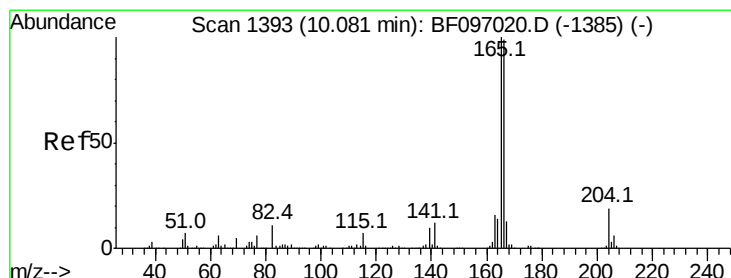
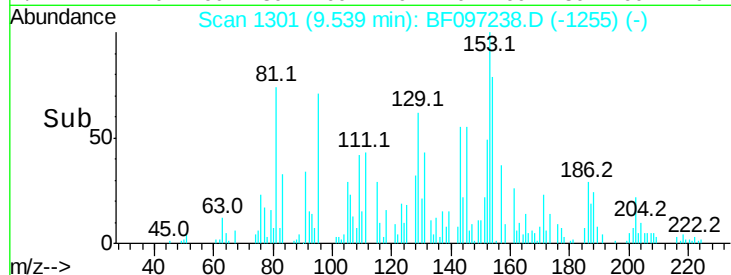
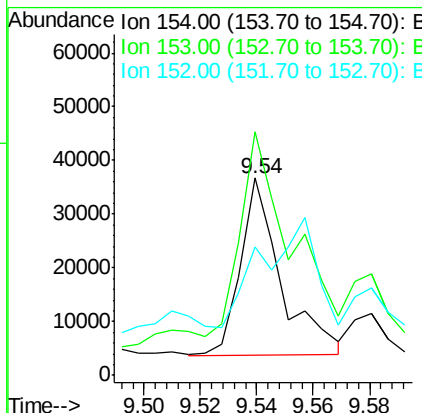
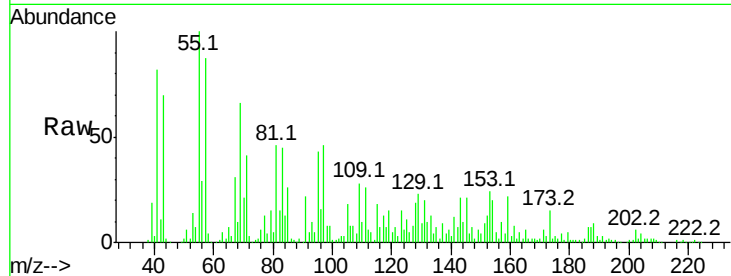
ClientSampleId :

E2-L6-NSW-DUP

Tot Ion:	154	Resp:	32610
Ion Ratio	Lower	Upper	
154	100		
153	123.6	90.5	135.7
152	65.5	43.6	65.4#

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#57

Fluorene

Concen: 14.042 ng

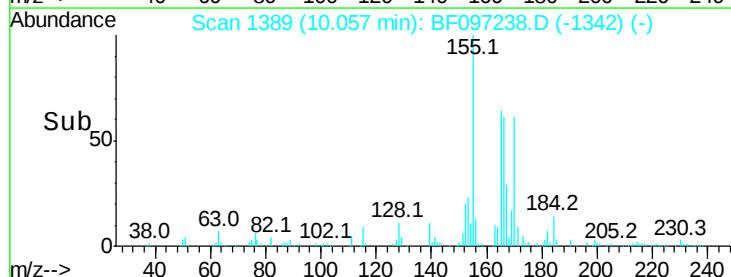
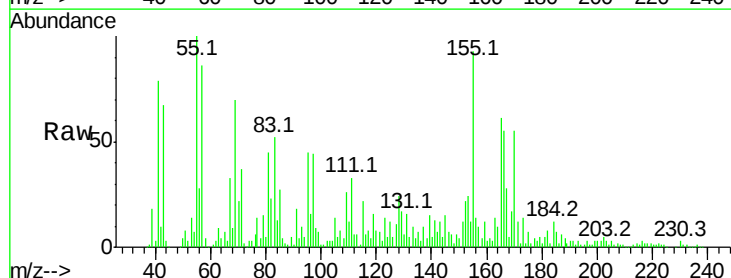
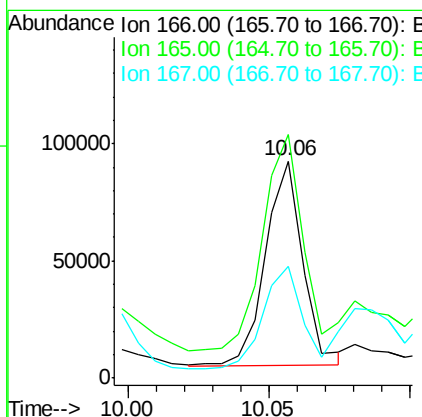
RT: 10.06 min Scan# 1389

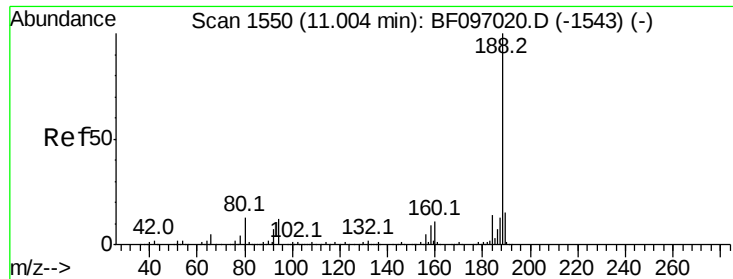
Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Tgt Ion:	166	Resp:	80134
Ion Ratio	Lower	Upper	
166	100		
165	112.1	78.8	118.2
167	51.6	10.6	16.0#





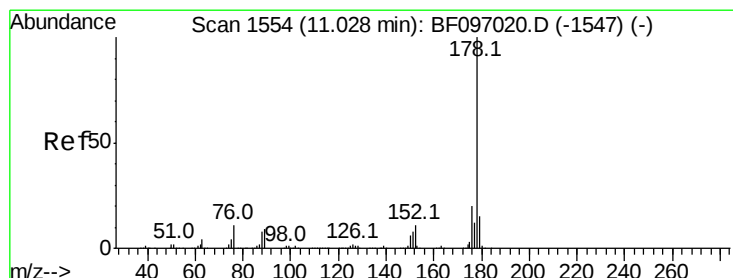
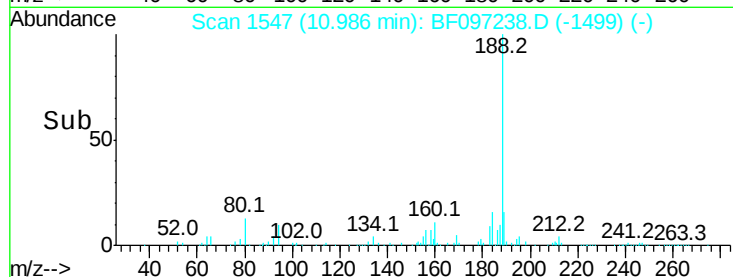
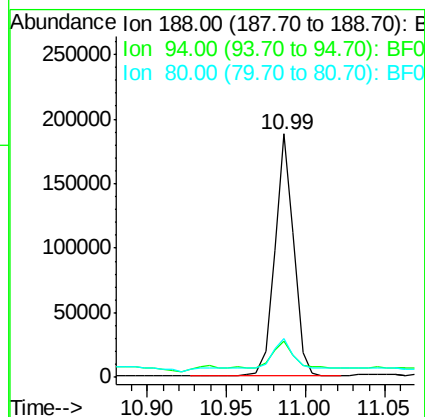
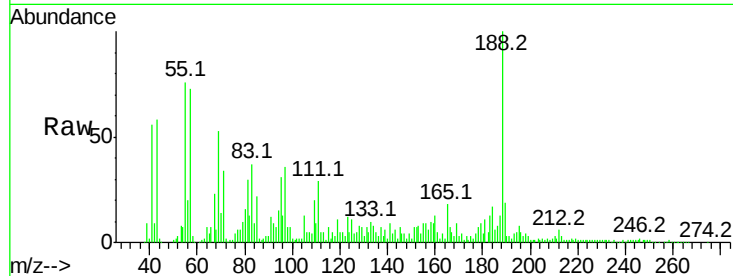
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW-DUP

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.8	9.4	14.2#	
80	16.1	10.2	15.2#	

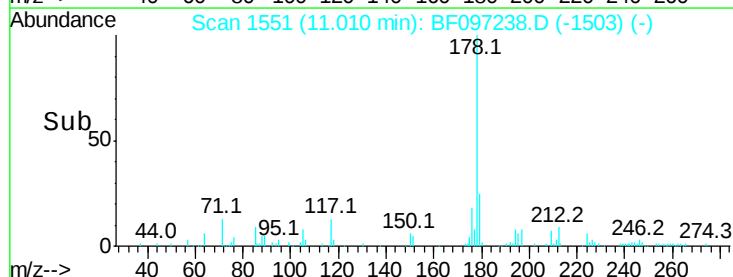
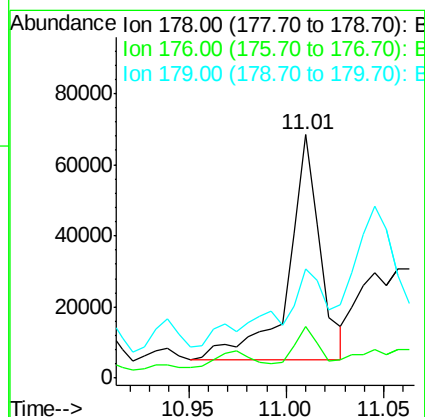
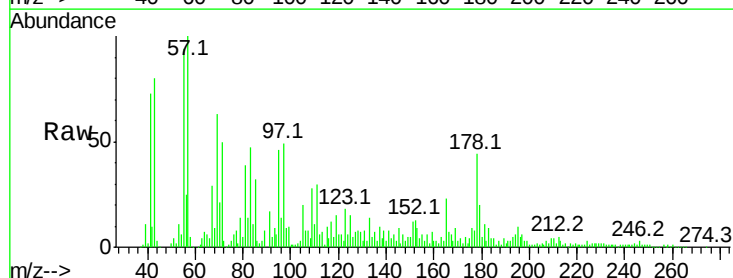
Manual Integrations
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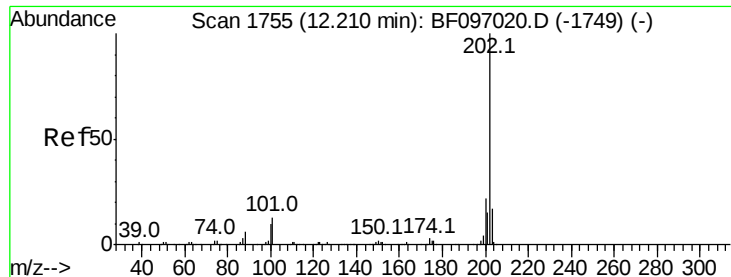
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#70
Phenanthrene
Concen: 8.618 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	21.2	16.2	24.4	
179	45.0	12.6	19.0#	





#74

Fluoranthene

Concen: 4.854 ng

RT: 12.19 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

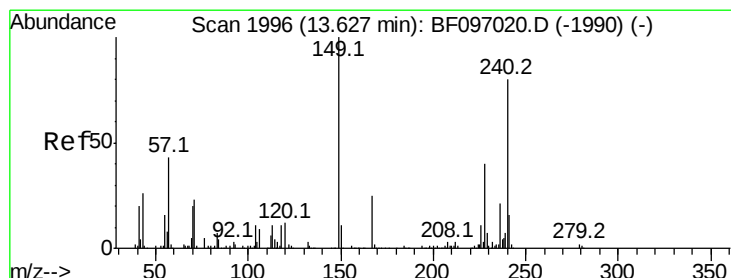
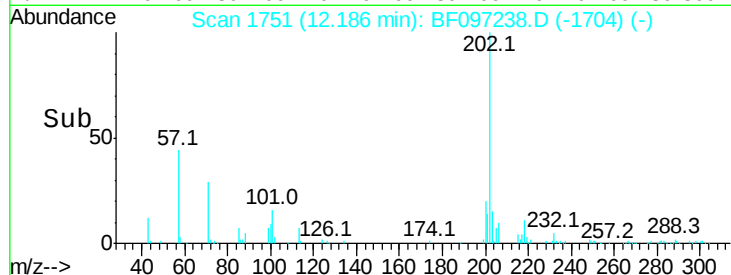
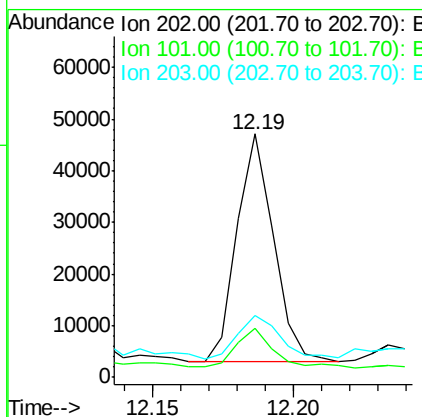
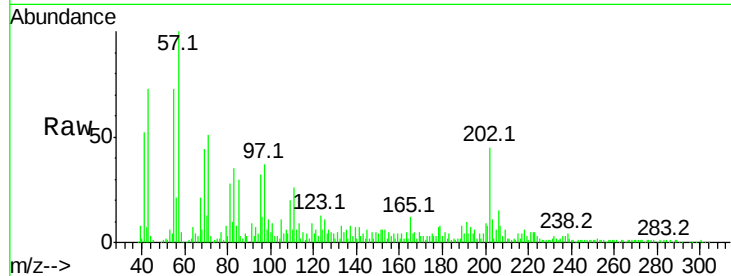
ClientSampleId :

E2-L6-NSW-DUP

Tot Ion:	202	Resp:	39840
Ion Ratio	Lower	Upper	
202	100		
101	20.0	0.0	33.2
203	25.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

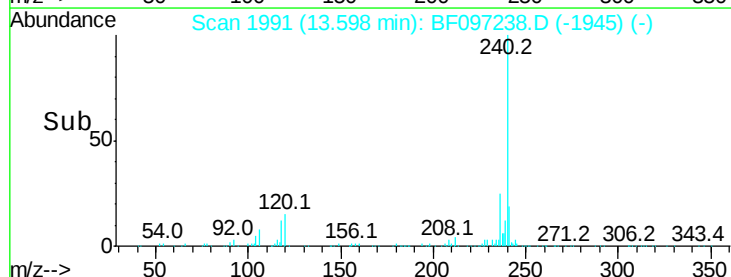
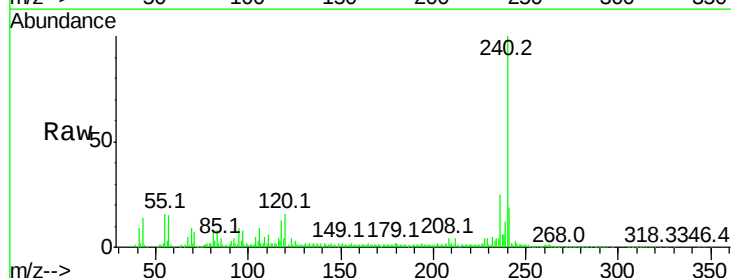
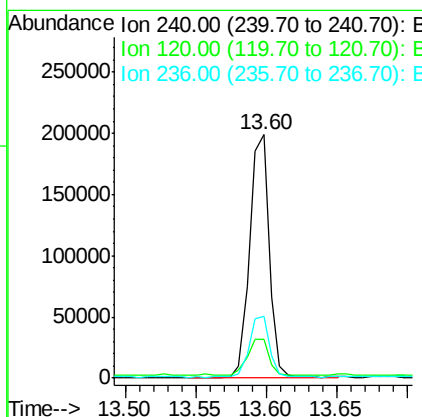
RT: 13.60 min Scan# 1991

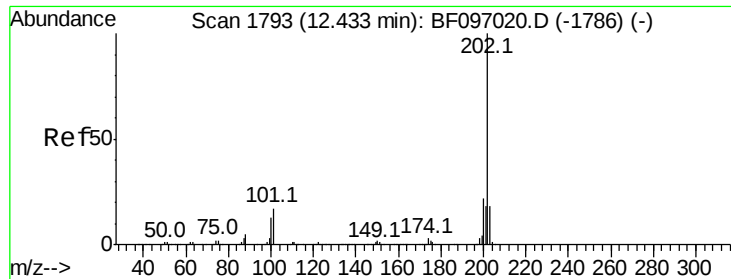
Delta R.T. -0.03 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Tgt Ion:	240	Resp:	195030
Ion Ratio	Lower	Upper	
240	100		
120	16.0	5.8	8.8#
236	25.3	20.5	30.7





#77

Pvrene

Concen: 4.062 ng

RT: 12.41 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Instrument :

BNA_F

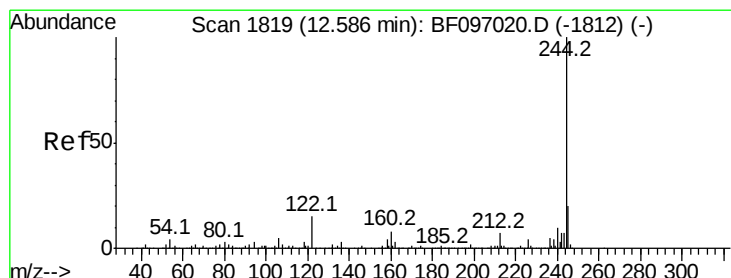
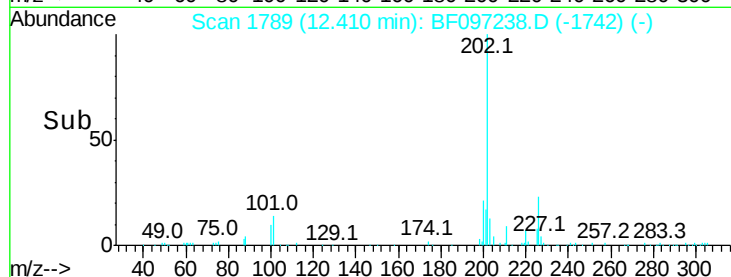
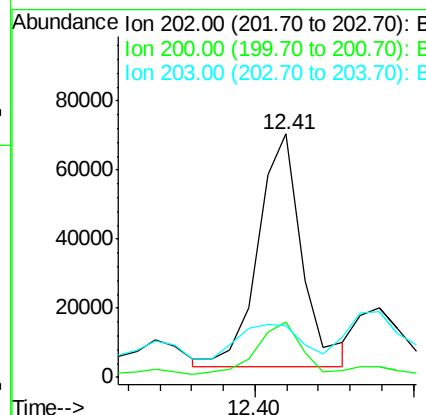
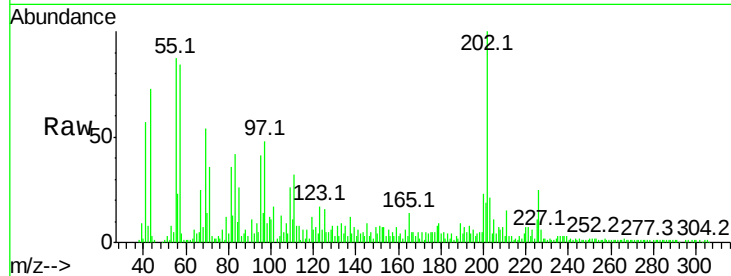
ClientSampleId :

E2-L6-NSW-DUP

Tot Ion:	202	Resp:	64860
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.6	26.4
203	21.3	14.4	21.6

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#78

Terphenyl-d14

Concen: 39.492 ng

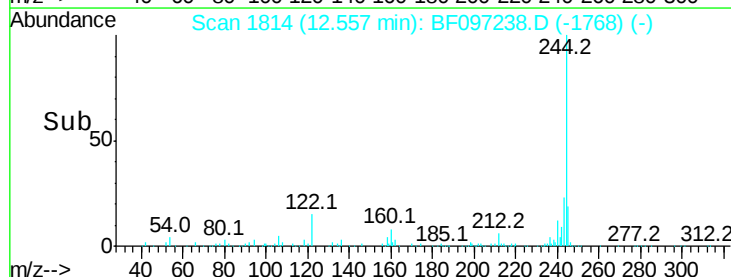
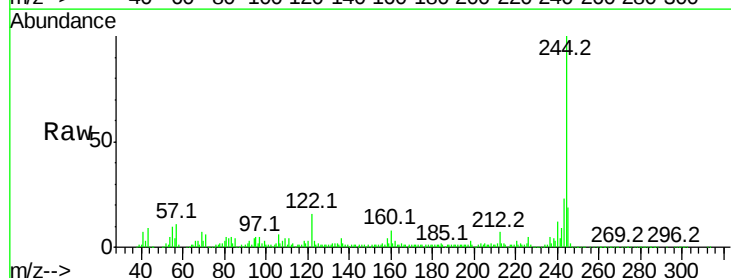
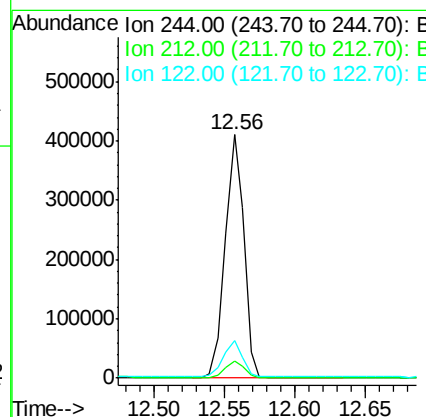
RT: 12.56 min Scan# 1814

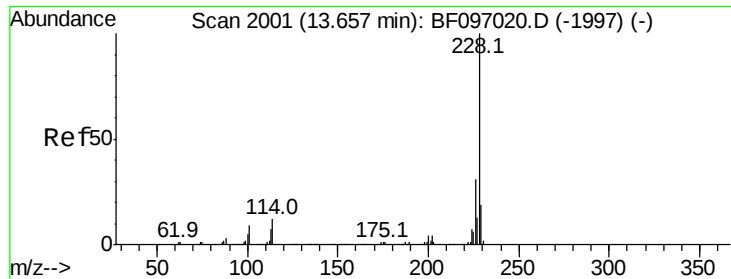
Delta R.T. -0.03 min

Lab File: BF097238.D

Acq: 1 Aug 2017 18:19

Tgt Ion:	244	Resp:	377765
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	15.7	10.3	15.5#





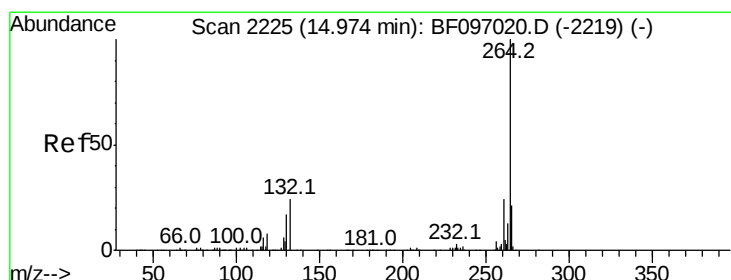
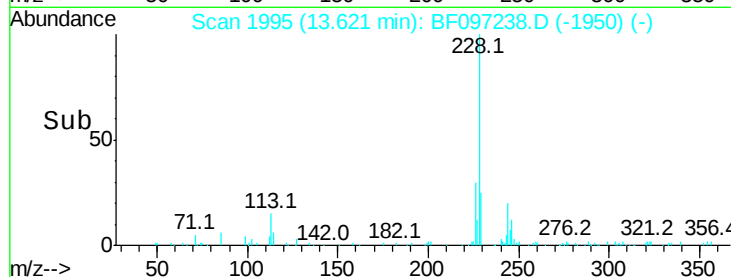
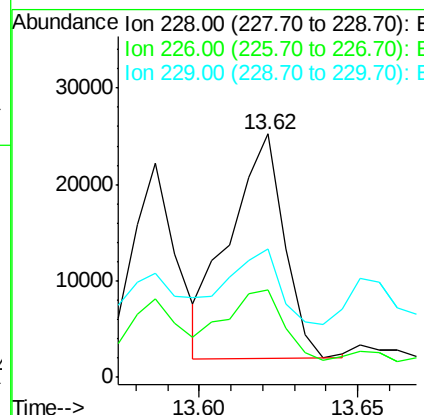
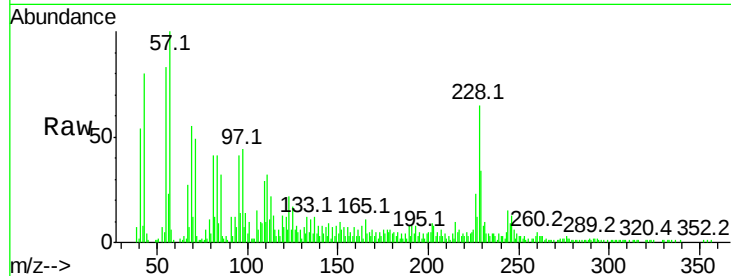
#82
Chrysene
Concen: 2.241 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.04 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW-DUP

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	24.9	37.3
229	52.8	15.8	23.6

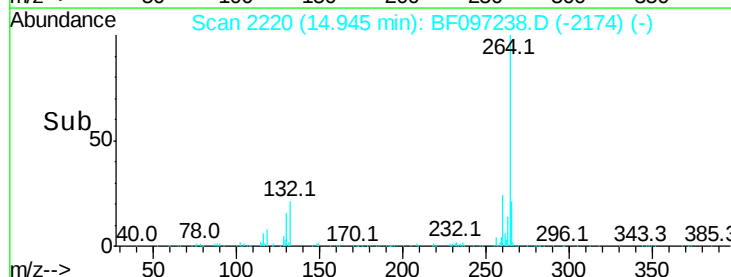
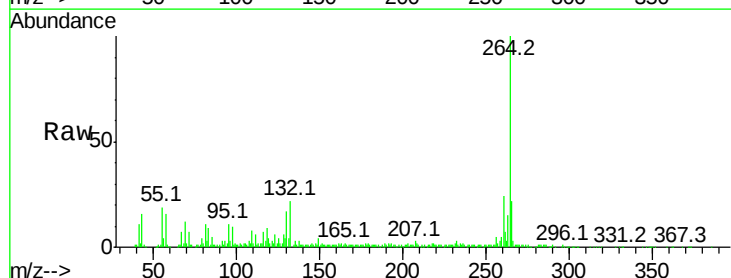
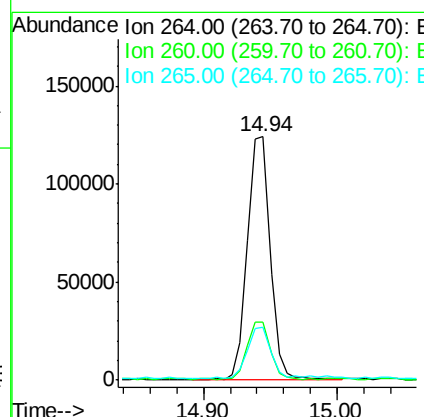
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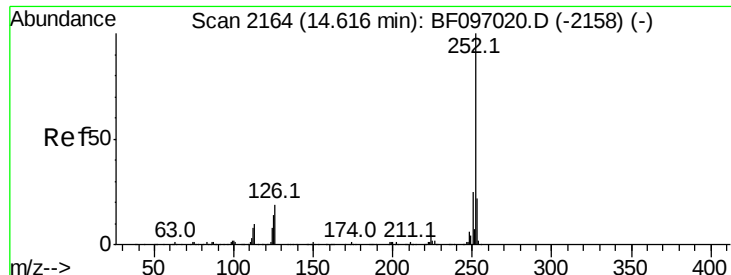
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.94 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF097238.D
Acq: 1 Aug 2017 18:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.6	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 2.186 ng/ml
 RT: 14.59 min Scan# 2159
 Delta R.T. -0.03 min
 Lab File: BF097238.D
 Acq: 1 Aug 2017 18:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW-DUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	49.8	9.8	14.8#

Manual Integrations
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 8/2/2017 7:15:19 PM

