

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097389.D
 Acq On : 5 Aug 2017 7:22
 Operator : SJ/JU
 Sample : I4588-02 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M8-ESW

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:10:24 PM

Quant Time: Aug 07 12:22:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	104557	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	383251	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	153205	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	208090	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	169073	20.00	ng	-0.07
86) Perylene-d12	14.90	264	131655	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	49949	7.20	ng	-0.04
7) Phenol-d6	6.13	99	66464	8.39	ng	-0.04
23) Nitrobenzene-d5	7.01	82	38278	5.86	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	8899	7.35	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	69124	7.66	ng	-0.07
78) Terphenyl-d14	12.52	244	38619	4.66	ng	-0.07
Target Compounds						
11) bis(2-Chloroethyl)ether	6.18	93	29650	3.992	ng	Qvalue 94
13) 1,4-Dichlorobenzene	6.46	146	24552	3.100	ng	91
14) 1,2-Dichlorobenzene	6.61	146	49603	7.172	ng	95
20) 3+4-Methylphenols	6.91	107	84989	11.369	ng	# 67
22) Acetophenone	6.86	105	45189	4.910	ng	# 98
27) 2,4-Dimethylphenol	7.42	122	37246	6.134	ng	97
37) 2-Methylnaphthalene	8.43	142	23897	2.089	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	8.59	216	15579	3.811	ng	# 76
48) Acenaphthylene	9.33	152	34917	2.362	ng	# 90
77) Pyrene	12.36	202	28963	2.092	ng	# 94
87) Benzo(b)fluoranthene	14.55	252	34307m	4.335	ng	
91) Benzo(a,h,i)perylene	16.46	276	12954	2.080	ng	# 90

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

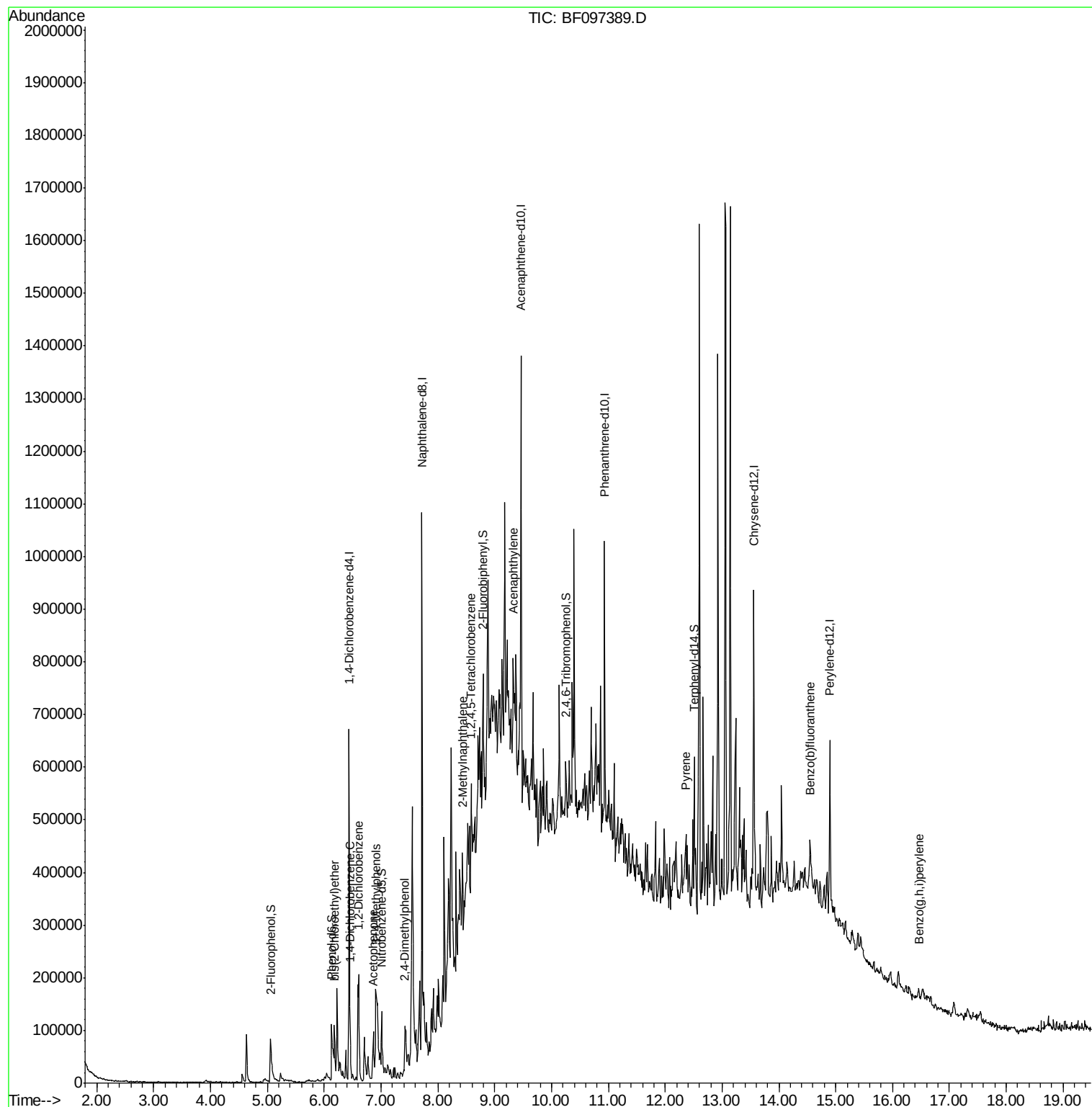
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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ALS Vial : 37 Sample Multiplier: 1

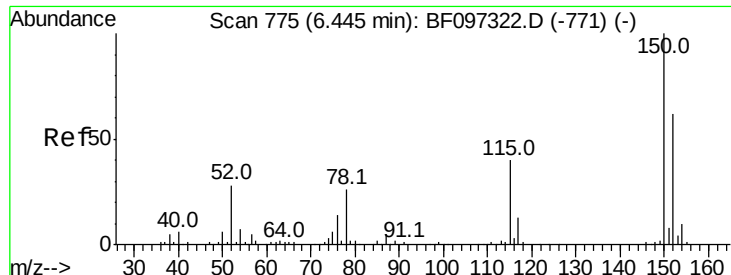
Instrument :
BNA_F
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E2-M8-ESW

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#1

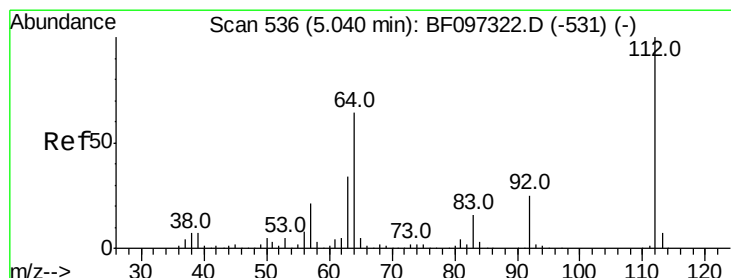
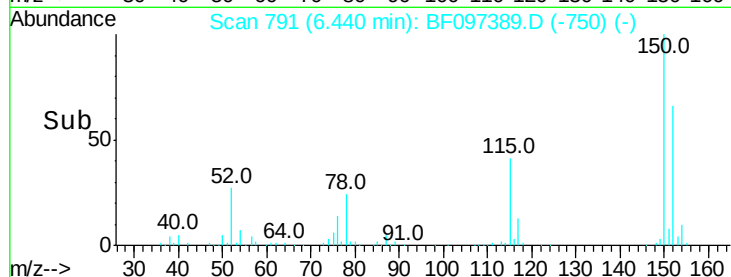
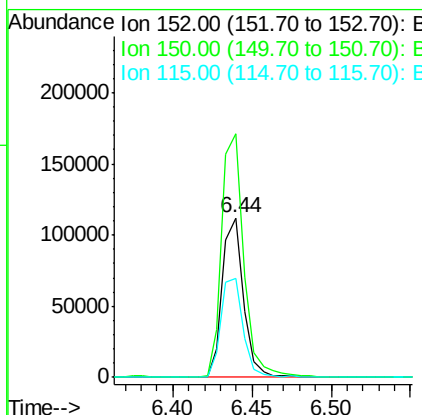
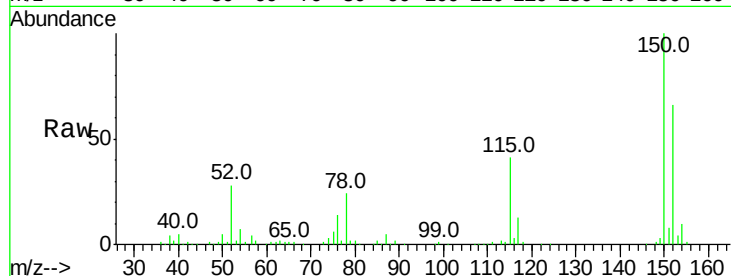
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Instrument :
BNA_F
ClientSampleId :
E2-M8-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.2	189.2
115	62.3	52.2	78.2

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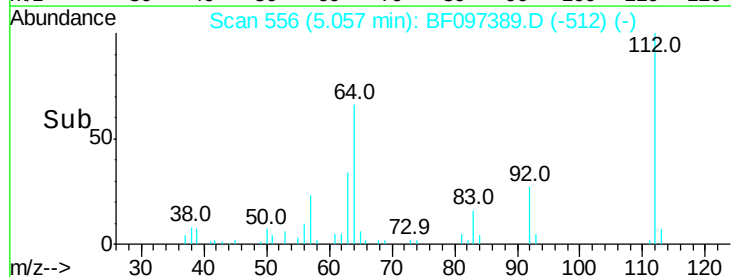
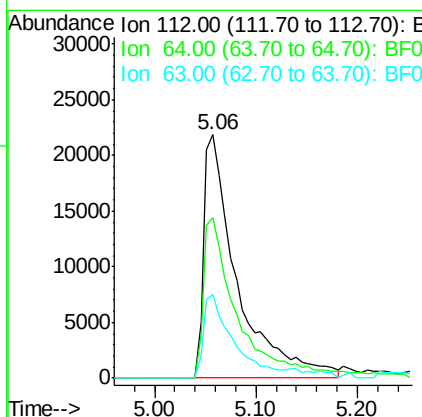
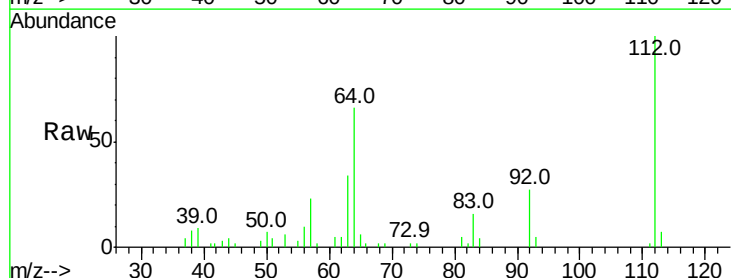
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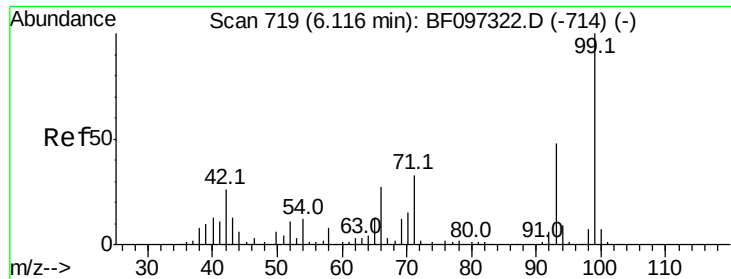


#5

2-Fluorophenol
Concen: 7.202 ng
RT: 5.06 min Scan# 556
Delta R.T. -0.04 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	34.2	23.4	35.0





#7

Phenol-d6

Concen: 8.394 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.04 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

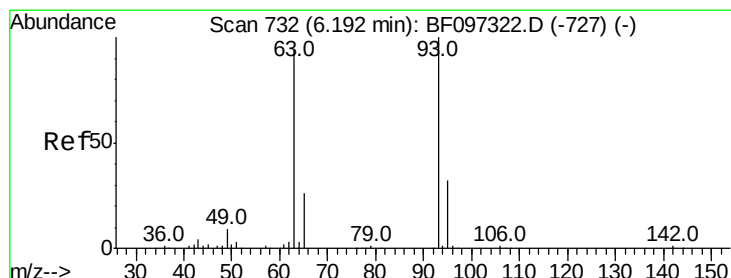
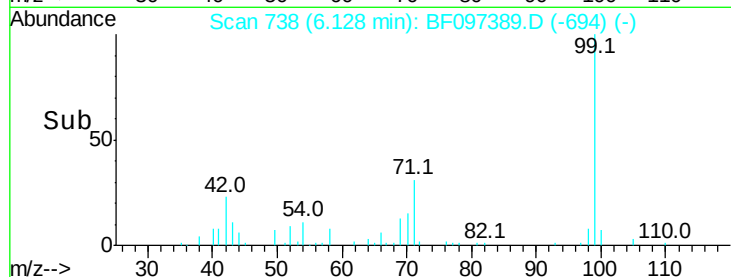
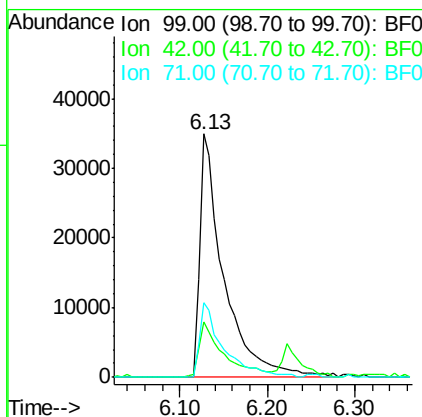
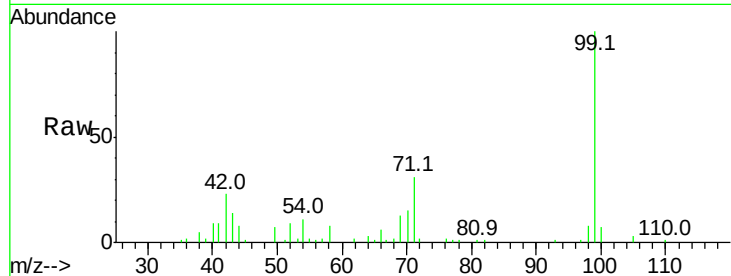
ClientSampleId :

E2-M8-ESW

Tot Ion:	99	Resp:	66464
Ion Ratio	Lower	Upper	
99	100		
42	22.7	13.5	20.3#
71	30.7	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 3.992 ng

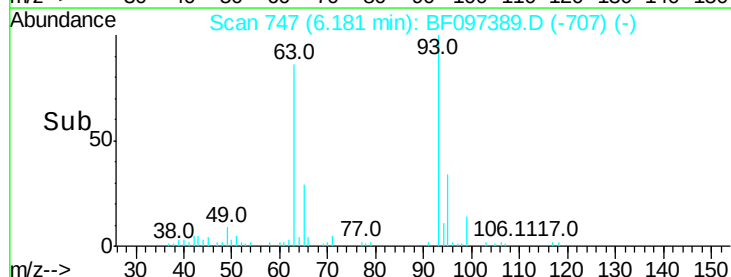
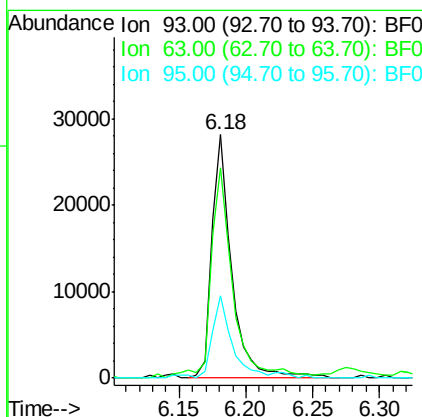
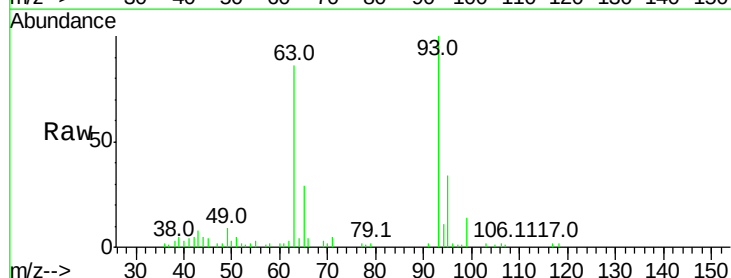
RT: 6.18 min Scan# 747

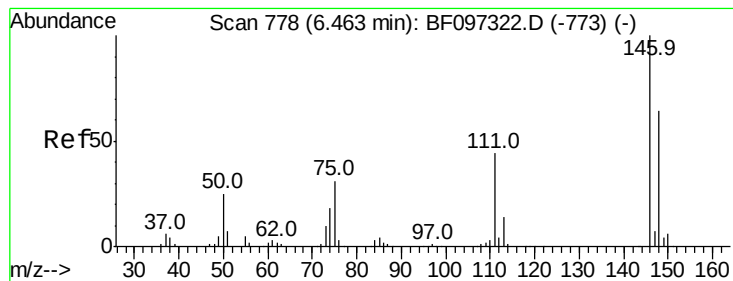
Delta R.T. -0.06 min

Lab File: BF097389.D

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Tgt Ion:	93	Resp:	29650
Ion Ratio	Lower	Upper	
93	100		
63	86.4	59.2	99.2
95	34.0	12.8	52.8





#13

1,4-Dichlorobenzene

Concen: 3.100 ng

RT: 6.46 min Scan# 794

Delta R.T. -0.06 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

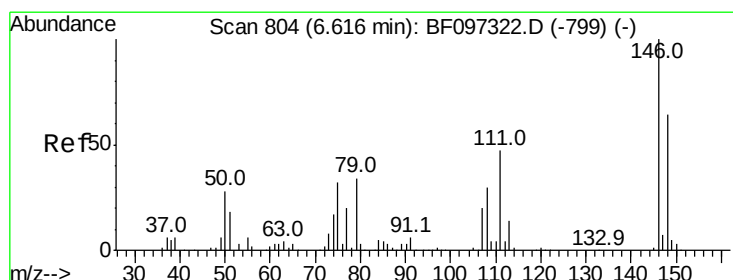
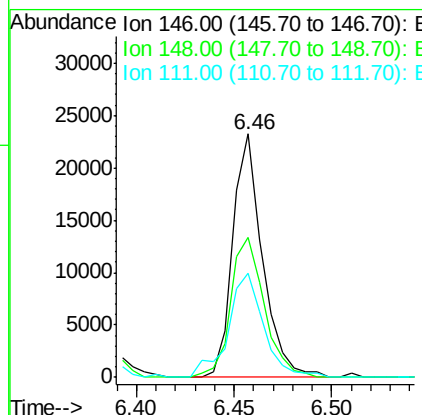
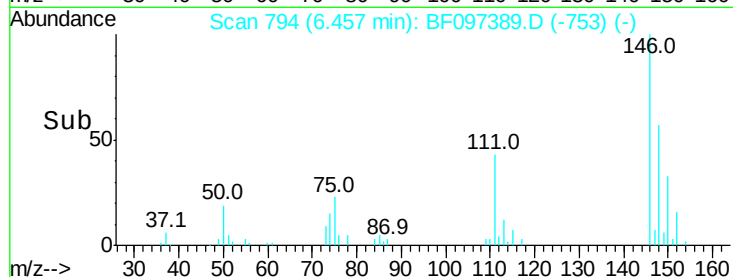
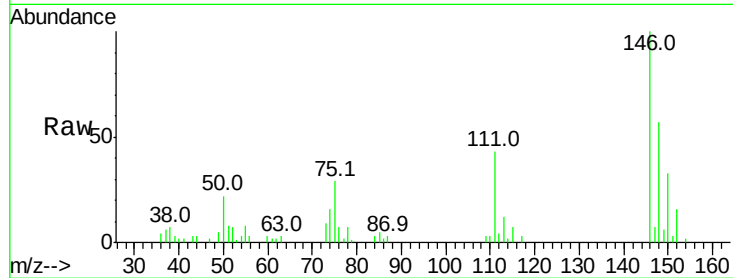
ClientSampleId :

E2-M8-ESW

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.4	52.2	78.2
111	42.8	30.3	45.5

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#14

1,2-Dichlorobenzene

Concen: 7.172 ng

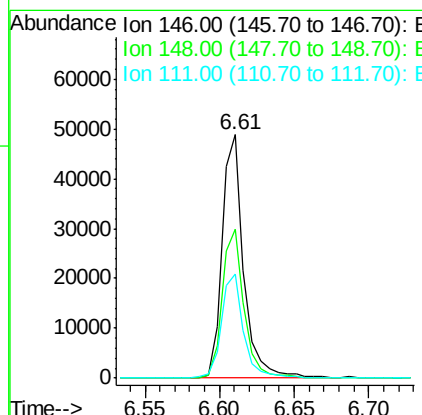
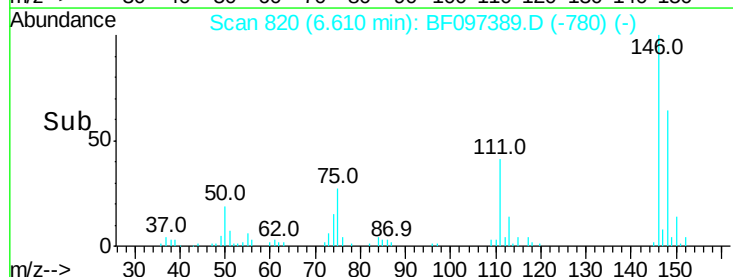
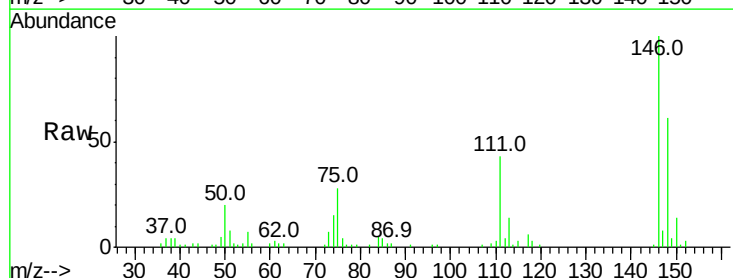
RT: 6.61 min Scan# 820

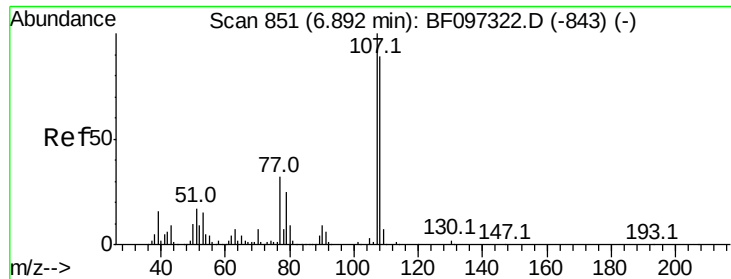
Delta R.T. -0.06 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.4	50.4	75.6
111	42.5	38.2	57.4





#20

3+4-Methylphenols

Concen: 11.369 ng

RT: 6.91 min Scan# 871

Delta R.T. -0.04 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

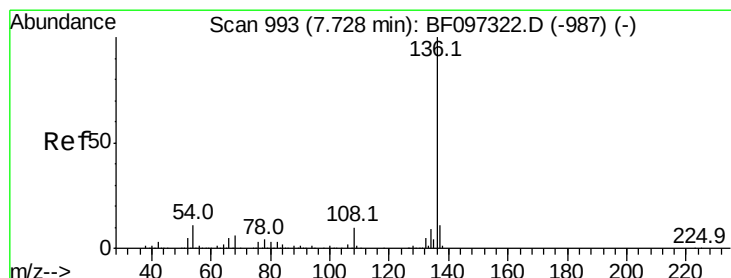
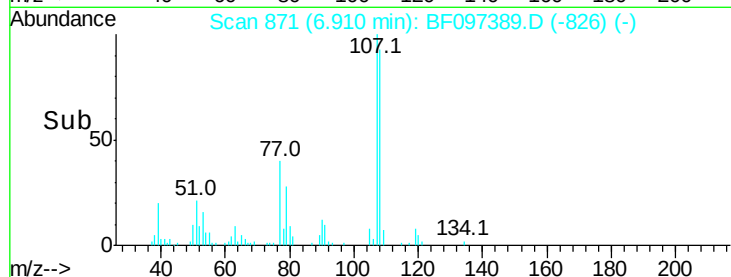
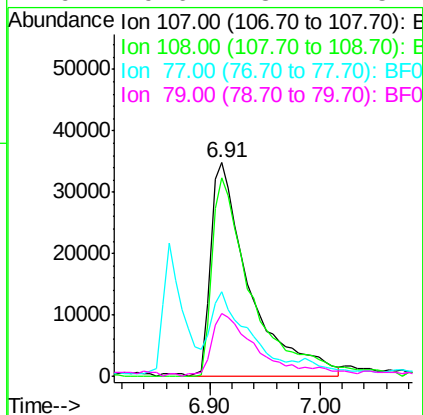
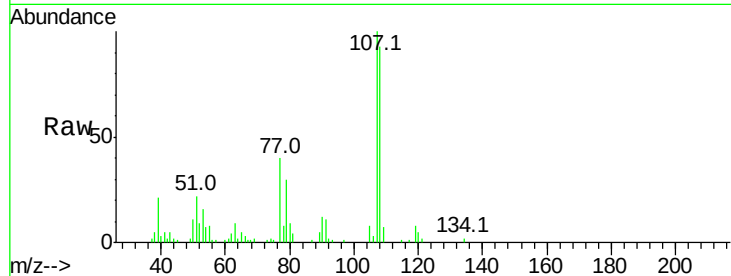
ClientSampleId :

E2-M8-ESW

Tot Ion:	107	Resp:	84989
Ion Ratio	Lower	Upper	
107	100		
108	93.2	71.0	111.0
77	39.6	90.5	130.5#
79	29.6	8.4	48.4

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#21

Naphthalene-d8

Concen: 20.000 ng

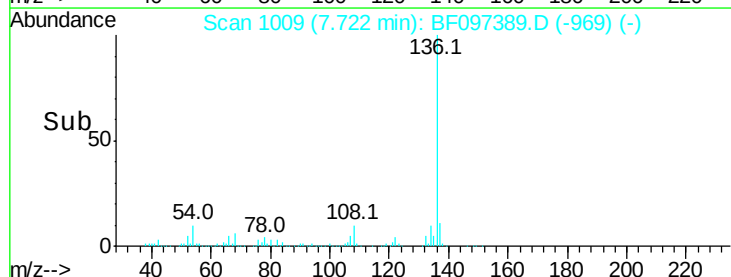
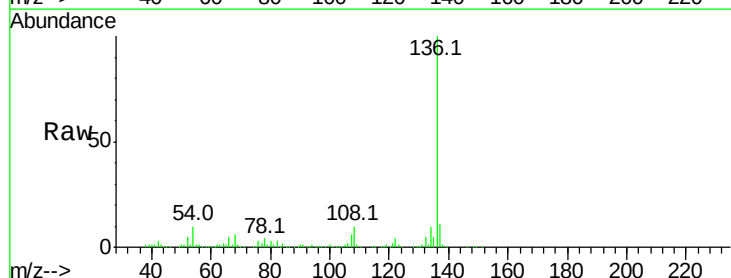
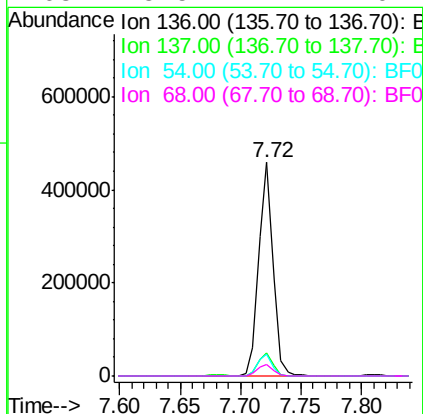
RT: 7.72 min Scan# 1009

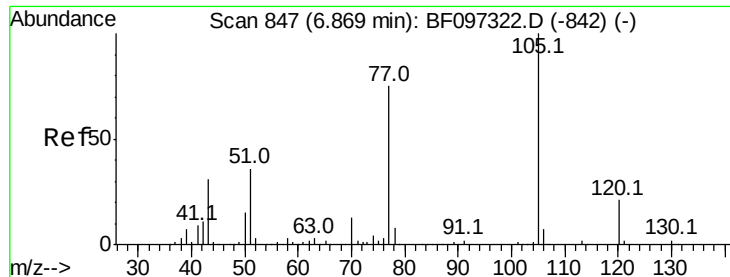
Delta R.T. -0.06 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Tgt Ion:	136	Resp:	383251
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.4	4.9	7.3#
68	5.5	4.1	6.1





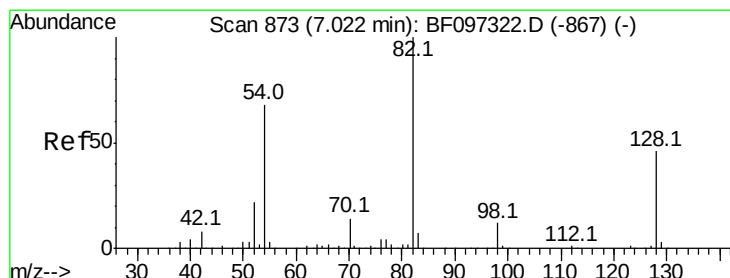
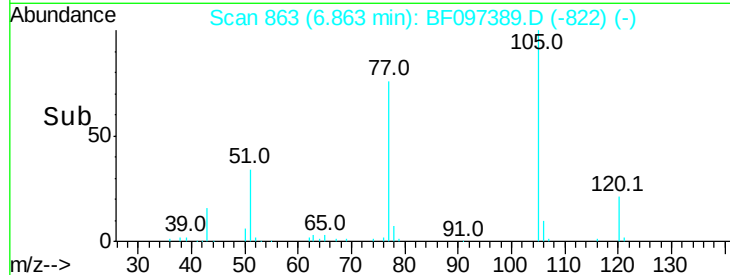
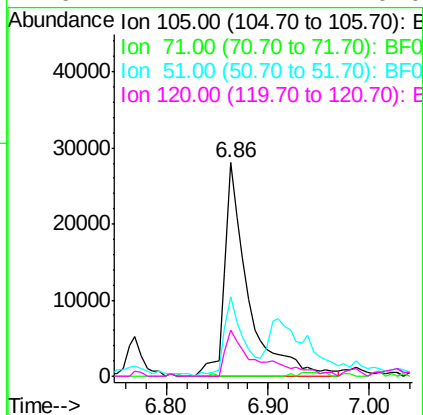
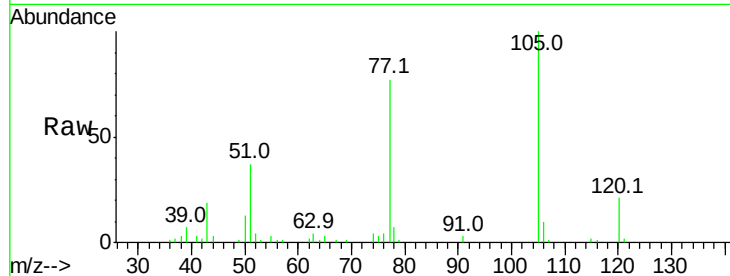
#22
 Acetophenone
 Concen: 4.910 ng
 RT: 6.86 min Scan# 863
 Delta R.T. -0.06 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 E2-M8-ESW

Tot Ion:	105	Resp:	45189
Ion Ratio	Lower	Upper	
105	100		
71	0.0	2.8	4.2#
51	37.3	30.7	46.1
120	21.4	17.4	26.0

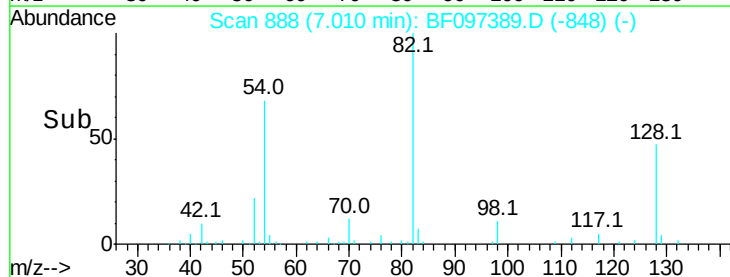
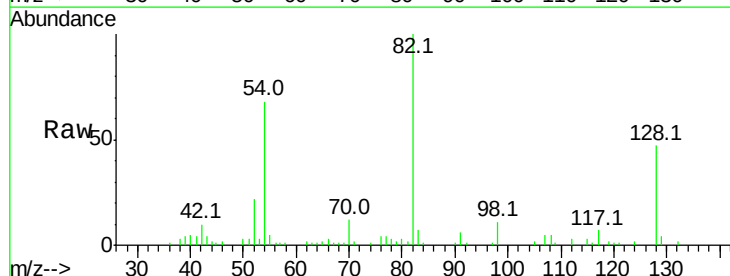
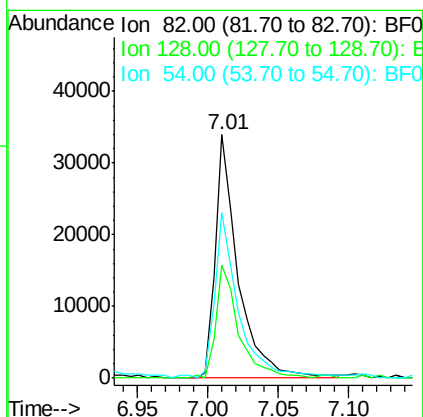
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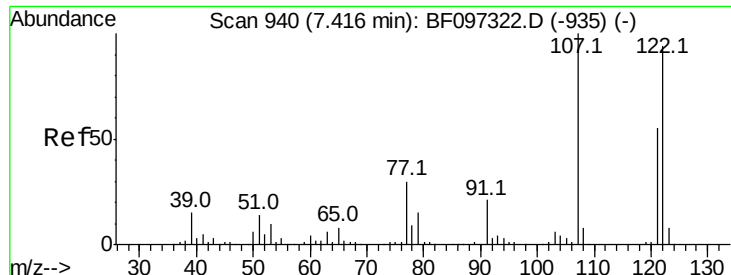
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#23
 Nitrobenzene-d5
 Concen: 5.859 ng
 RT: 7.01 min Scan# 888
 Delta R.T. -0.06 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Tgt Ion:	82	Resp:	38278
Ion Ratio	Lower	Upper	
82	100		
128	46.5	34.0	51.0
54	68.2	42.2	63.2#





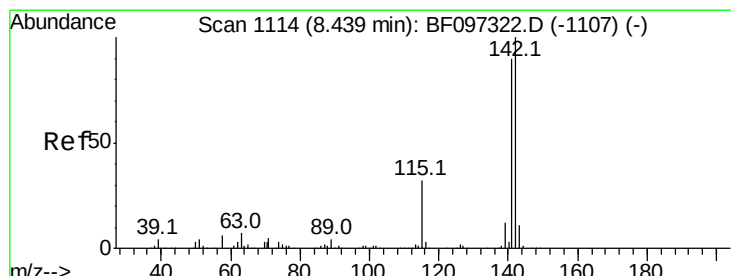
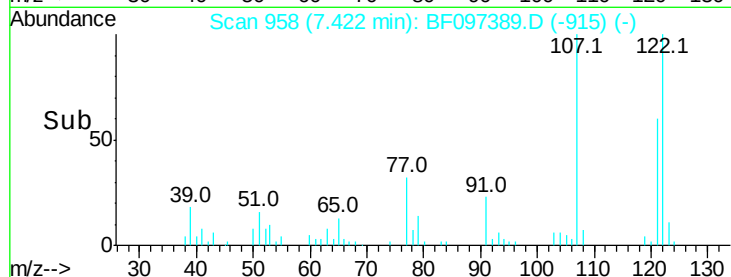
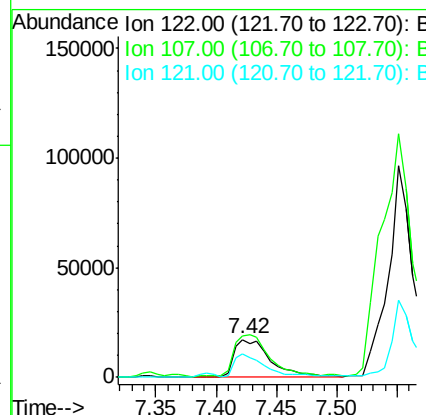
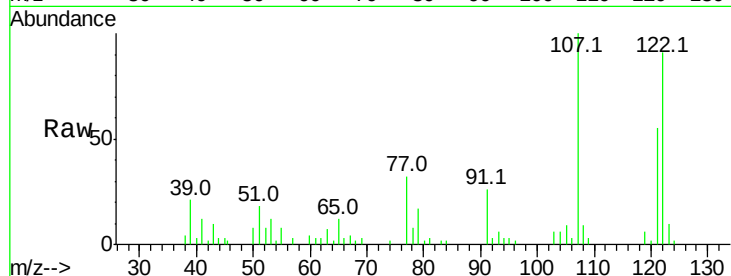
#27
2,4-Dimethylphenol
Concen: 6.134 ng
RT: 7.42 min Scan# 958
Delta R.T. -0.05 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Instrument :
BNA_F
ClientSampleId :
E2-M8-ESW

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.5	89.2	133.8
121	60.4	45.2	67.8

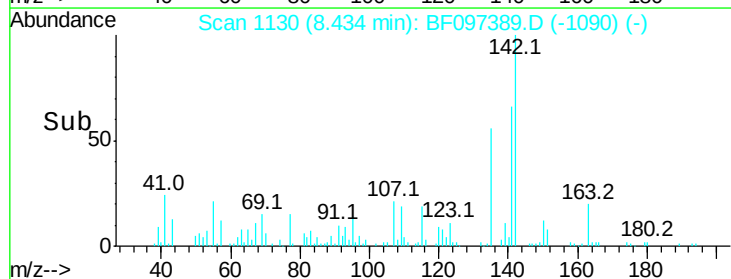
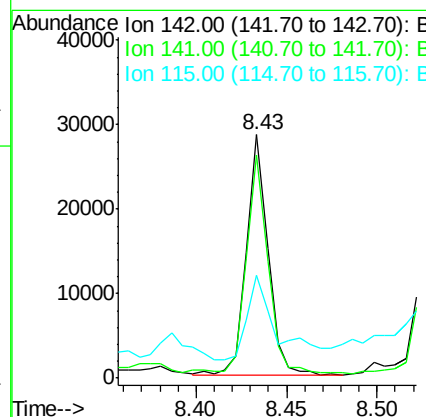
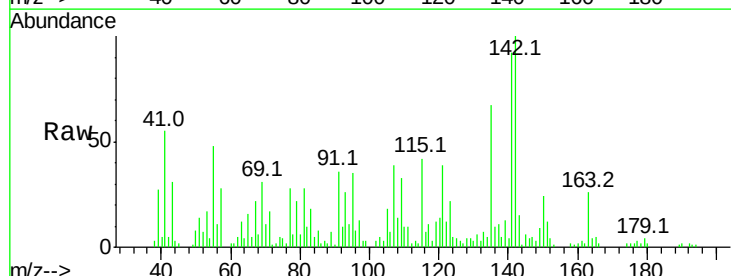
Manual Integrations
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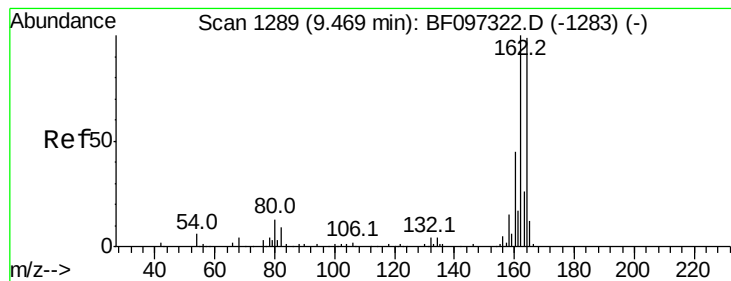
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#37
2-Methylnaphthalene
Concen: 2.089 ng
RT: 8.43 min Scan# 1130
Delta R.T. -0.06 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	71.3	106.9
115	42.2	27.1	40.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

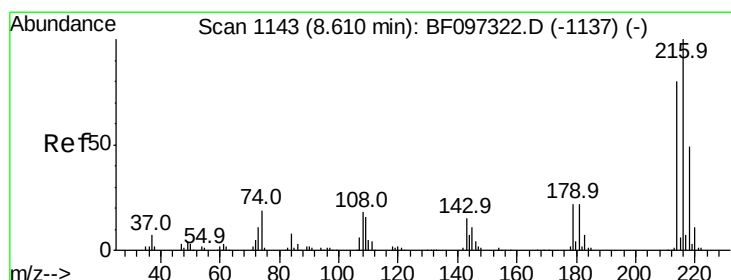
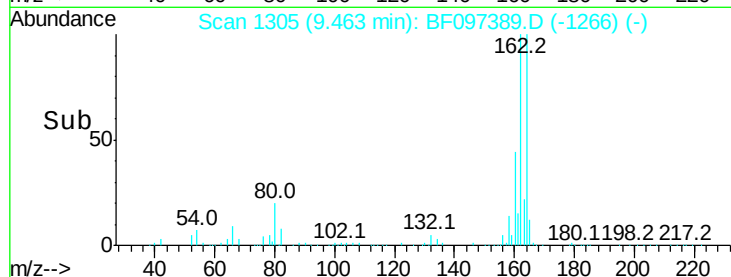
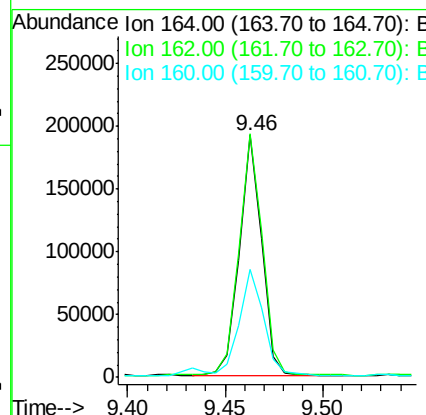
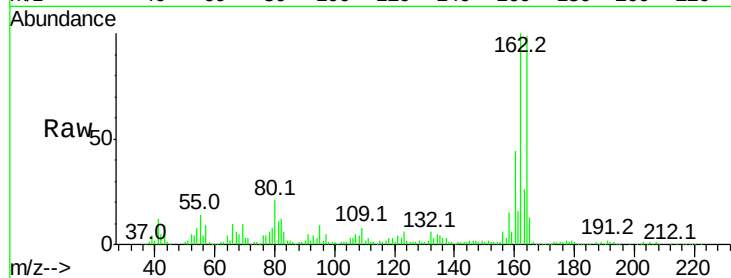
ClientSampled :

E2-M8-ESW

Tot Ion:	164	Resp:	153205
Ion Ratio	Lower	Upper	
164	100		
162	100.6	82.6	123.8
160	44.8	36.2	54.2

Manual Integrations
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#39

1,2,4,5-Tetrachlorobenzene

Concen: 3.811 ng

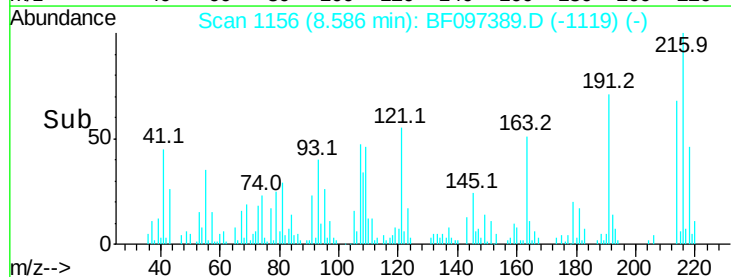
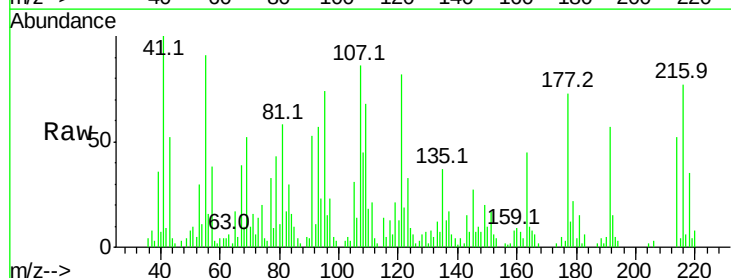
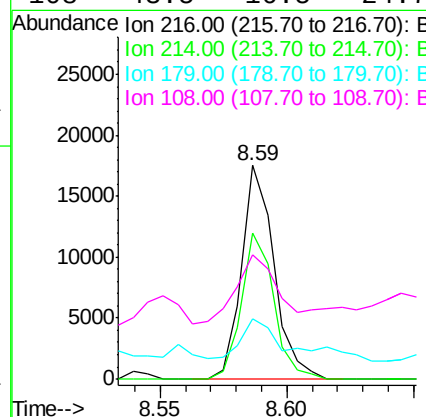
RT: 8.59 min Scan# 1156

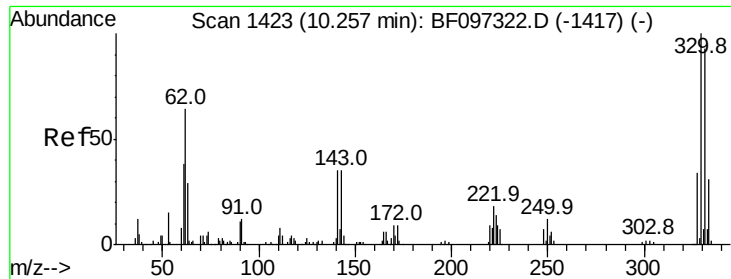
Delta R.T. -0.08 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Tgt Ion:	216	Resp:	15579
Ion Ratio	Lower	Upper	
216	100		
214	68.4	63.4	95.2
179	43.5	17.9	26.9#
108	43.5	16.5	24.7#





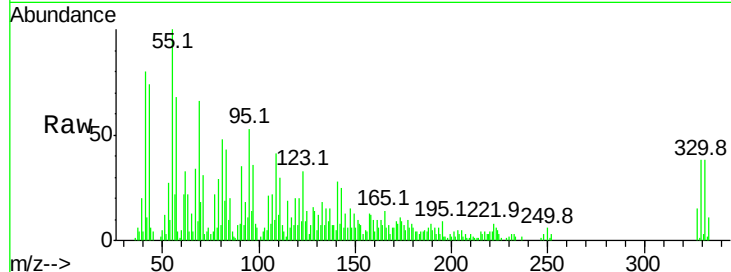
#41
 2,4,6-Tribromophenol
 Concen: 7.352 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Instrument :
 BNA_F
 ClientSampled :
 E2-M8-ESW

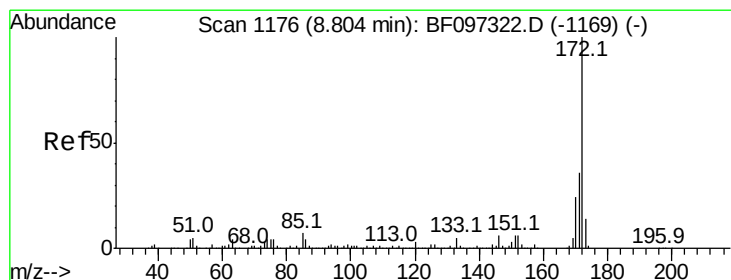
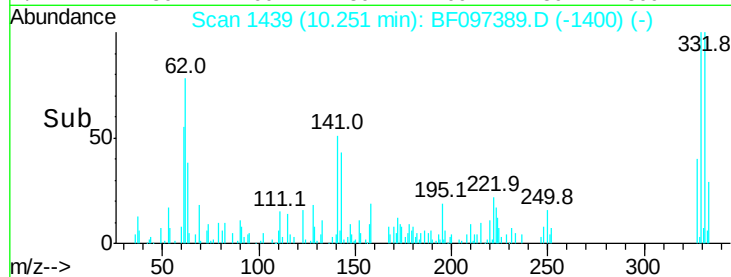
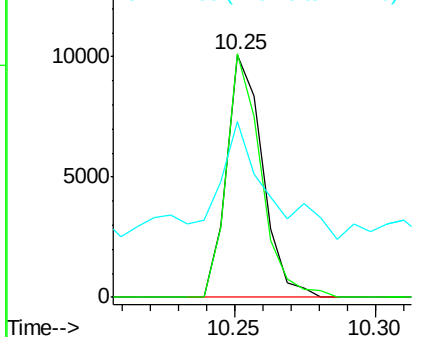
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.6	115.0	
141	80.8	31.4	47.2	

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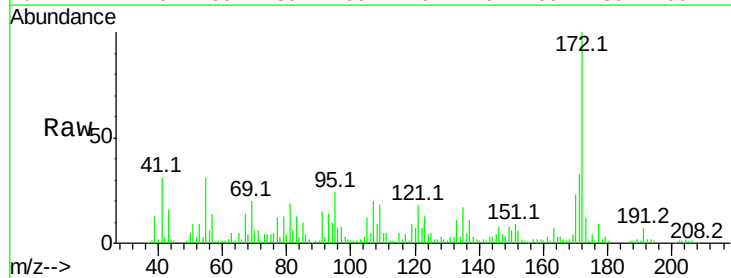


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

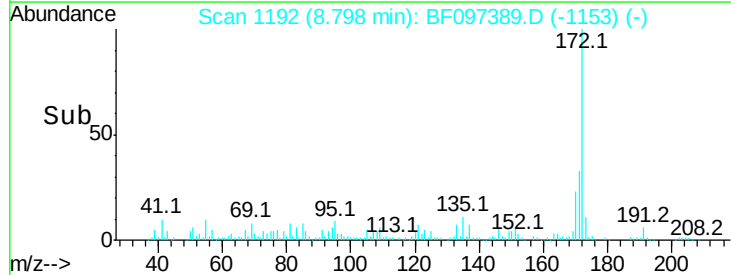
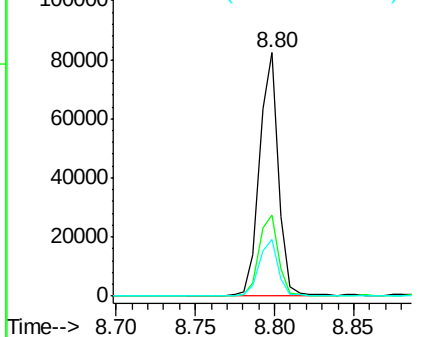


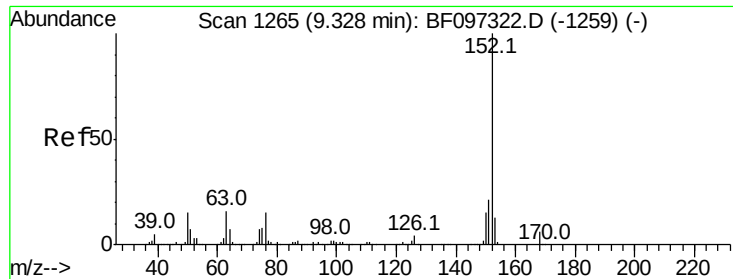
#44
 2-Fluorobiphenyl
 Concen: 7.657 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.2	29.6	44.4	
170	23.1	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





#48

Acenaphthylene

Concen: 2.362 ng

RT: 9.33 min Scan# 1282

Delta R.T. -0.06 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

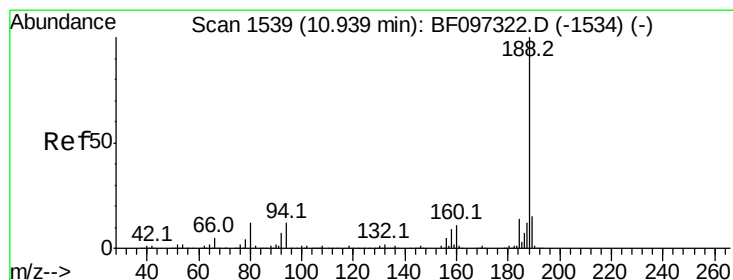
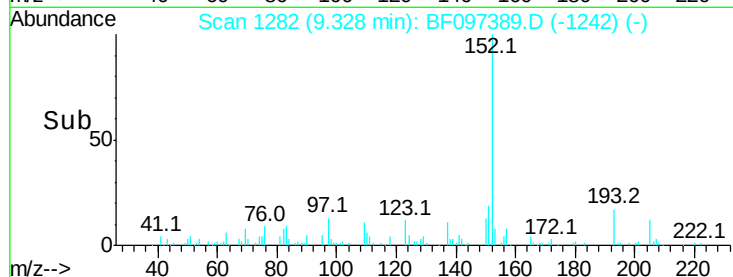
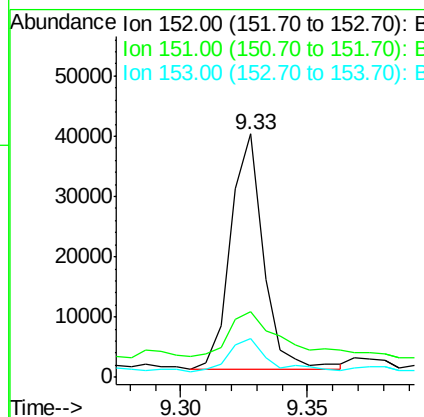
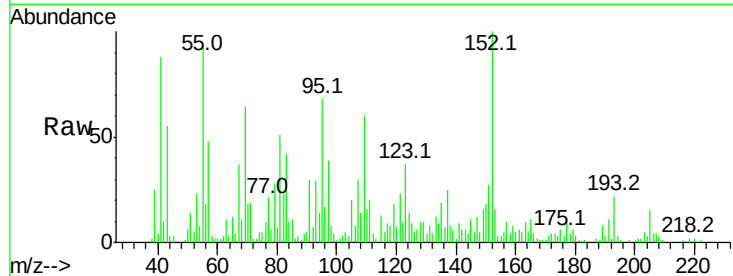
ClientSampled :

E2-M8-ESW

Tot Ion:	152	Resp:	34917
Ion Ratio	Lower	Upper	
152	100		
151	27.1	16.8	25.2#
153	15.9	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

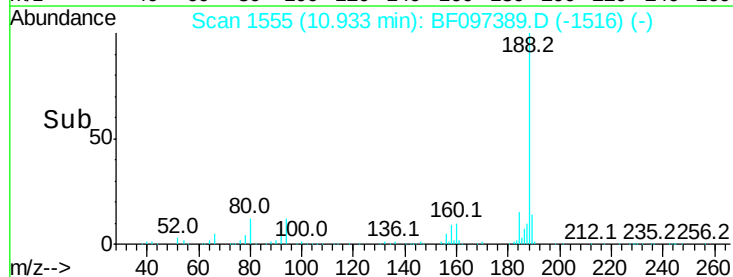
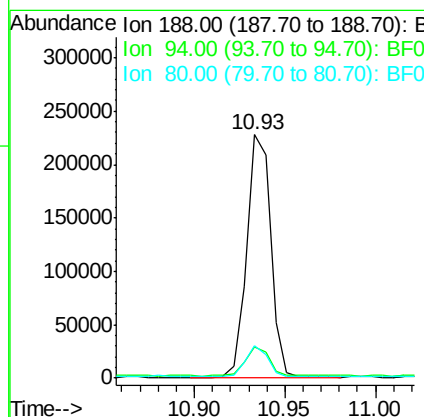
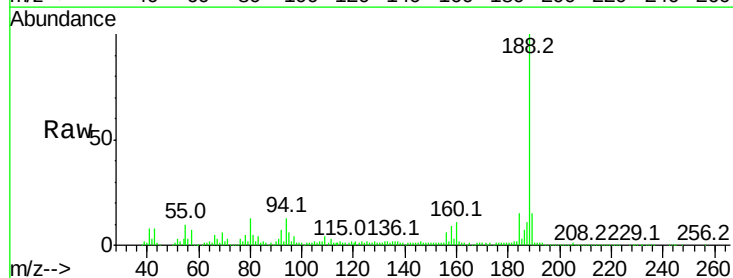
RT: 10.93 min Scan# 1555

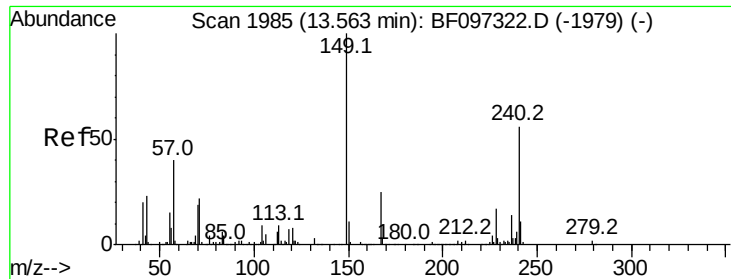
Delta R.T. -0.07 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Tgt Ion:	188	Resp:	208090
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.4	14.2
80	13.3	10.2	15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Instrument :

BNA_F

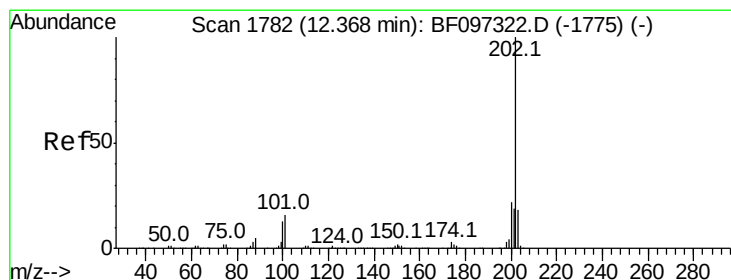
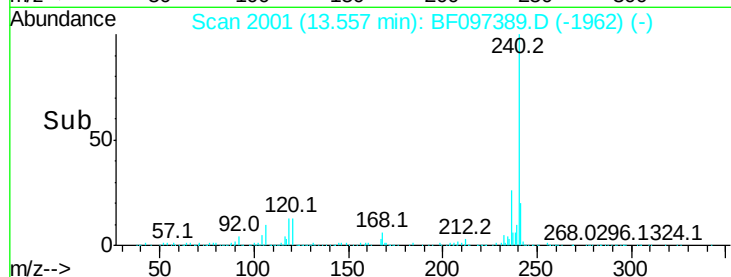
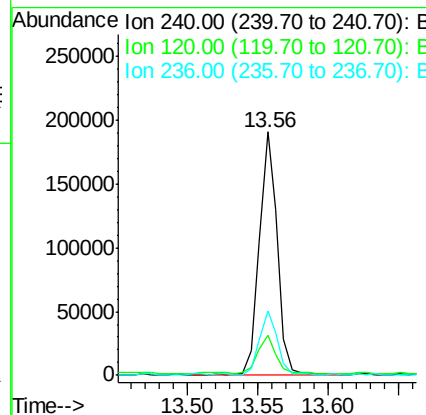
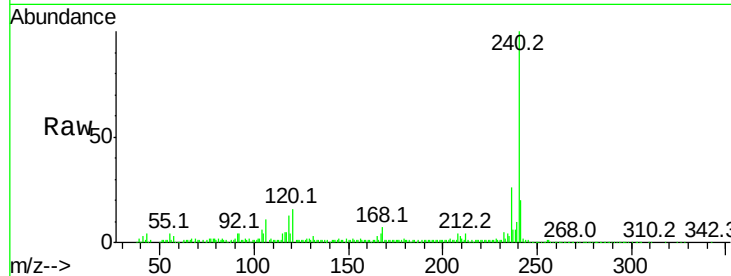
ClientSampled :

E2-M8-ESW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	169073		
120	16.2	5.8	8.8#	
236	26.2	20.5	30.7	

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#77

Pyrene

Concen: 2.092 ng

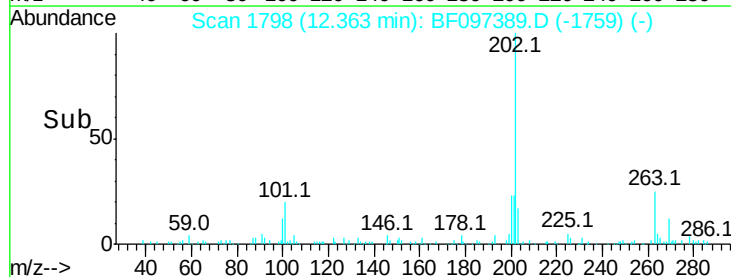
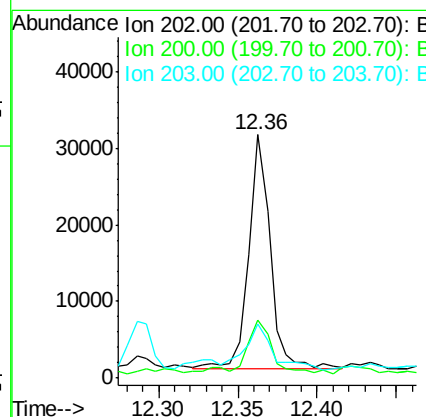
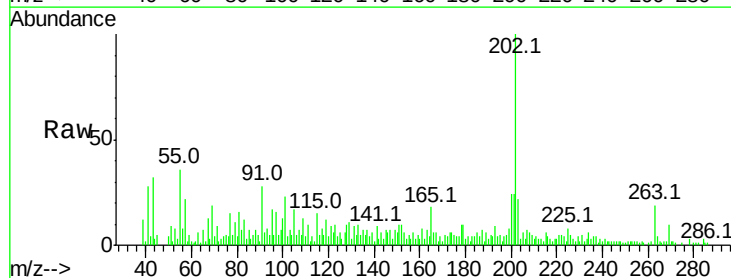
RT: 12.36 min Scan# 1798

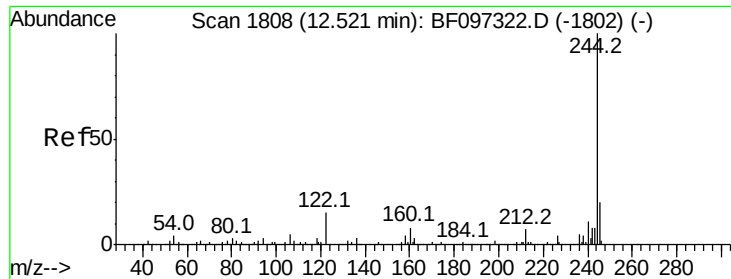
Delta R.T. -0.07 min

Lab File: BF097389.D

Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	28963		
200	23.9	17.6	26.4	
203	22.1	14.4	21.6#	





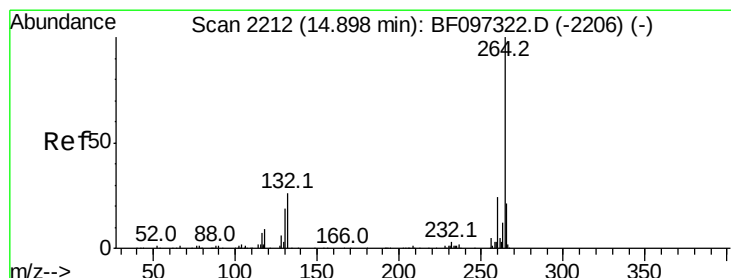
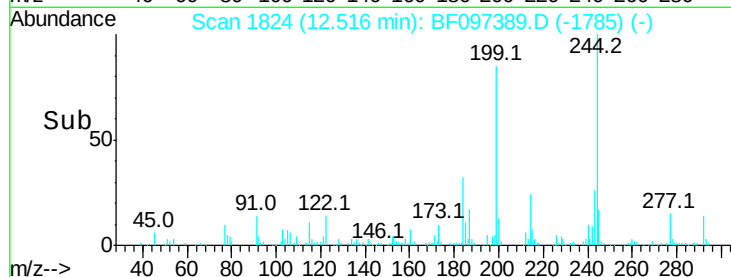
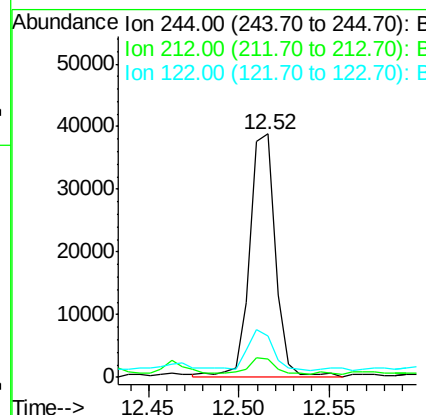
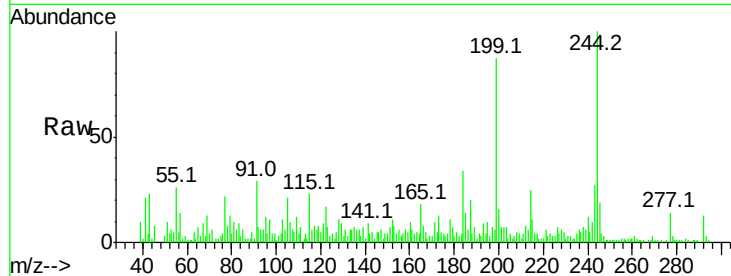
#78
 Terphenyl-d14
 Concen: 4.657 ng
 RT: 12.52 min Scan# 1824
 Delta R.T. -0.07 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 E2-M8-ESW

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	6.0	9.0	
122	16.9	10.3	15.5	

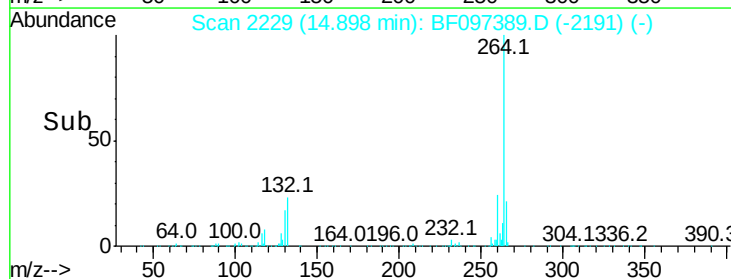
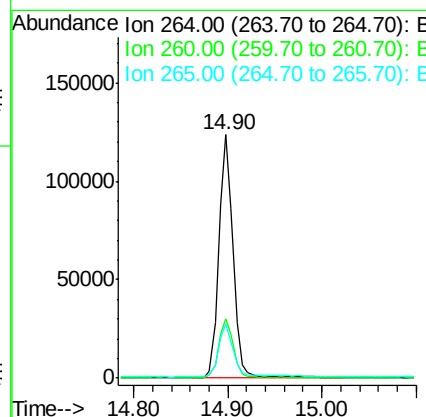
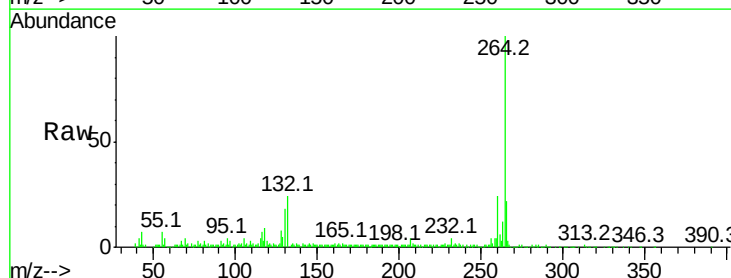
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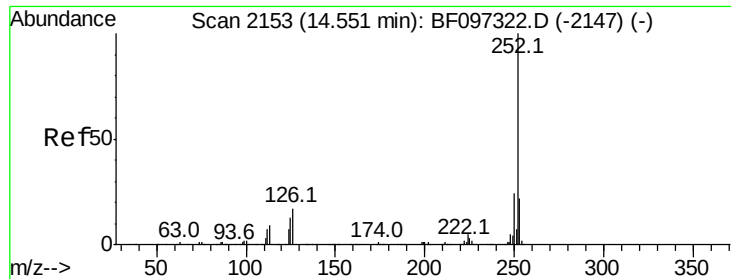
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.90 min Scan# 2229
 Delta R.T. -0.08 min
 Lab File: BF097389.D
 Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.5	29.3	
265	22.1	17.2	25.8	





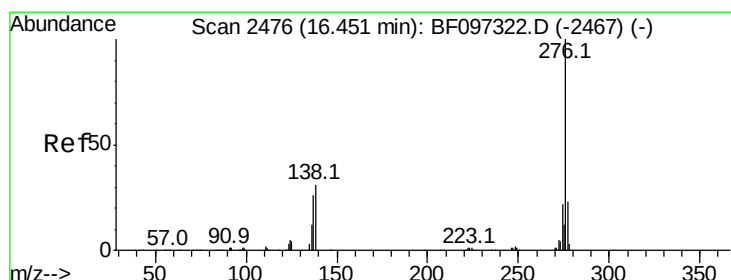
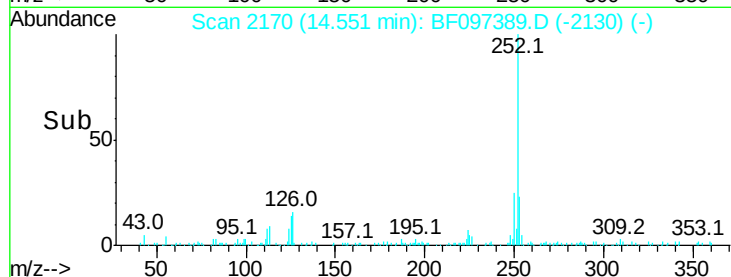
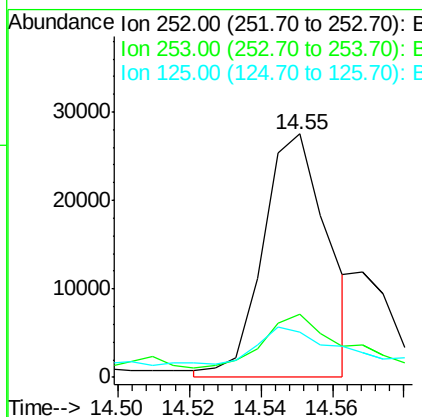
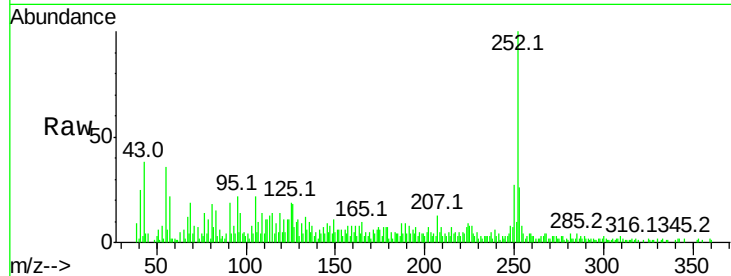
#87
Benzo(b)fluoranthene
Concen: 4.335 ng m
RT: 14.55 min Scan# 2170
Delta R.T. -0.06 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Instrument :
BNA_F
ClientSampleId :
E2-M8-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	18.8	9.8	14.8

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#91
Benzo(g,h,i)perylene
Concen: 2.080 ng
RT: 16.46 min Scan# 2495
Delta R.T. -0.11 min
Lab File: BF097389.D
Acq: 5 Aug 2017 7:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	18.6	28.0
138	36.6	25.4	38.0

