

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
 Data File : BF089754.D
 Acq On : 17 Aug 2016 10:26
 Operator : UM/SJ
 Sample : H4145-14DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Manual Integrations
 APPROVED

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 8/17/2016 6:25:03 PM

Quant Time: Aug 17 11:24:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	627473m	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2580516	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1225253	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2184725	20.00	ng	0.00
75) Chrysene-d12	13.89	240	1864906	20.00	ng	-0.01
86) Perylene-d12	15.37	264	1595620	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	987894	26.27	ng	-0.01
7) Phenol-d6	6.32	99	1188563	24.85	ng	-0.01
23) Nitrobenzene-d5	7.26	82	740724	17.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	285921	24.12	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1485937	19.46	ng	-0.01
78) Terphenyl-d14	12.80	244	1539858	24.67	ng	-0.01

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	2.81	42	512789	25.54	ng	91
12) 1,3-Dichlorobenzene	6.64	146	1410830m	29.51	ng	
13) 1,4-Dichlorobenzene	6.72	146	253444m	5.23	ng	
14) 1,2-Dichlorobenzene	6.87	146	582355	12.61	ng	96
18) Hexachloroethane	7.21	117	188471	10.62	ng	# 85
24) Nitrobenzene	7.28	77	528416	11.12	ng	93
25) Isophorone	7.52	82	2098157	24.81	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	596142	11.60	ng	98
31) Naphthalene	8.01	128	2219461	19.16	ng	99
34) Hexachlorobutadiene	8.14	225	250579	12.59	ng	98
37) 2-Methylnaphthalene	8.70	142	810031	10.27	ng	97
40) Hexachlorocyclopentadiene	8.86	237	452336	25.77	ng	99
46) 2-Chloronaphthalene	9.19	162	2656476	34.94	ng	93
49) Dimethylphthalate	9.46	163	1663334	18.76	ng	99
50) 2,6-Dinitrotoluene	9.52	165	252612	12.59	ng	# 73
54) Dibenzofuran	9.94	168	1916676	19.72	ng	92
56) 2,4-Dinitrotoluene	9.92	165	358932	13.92	ng	# 83
59) Diethylphthalate	10.17	149	2500411	27.82	ng	97
60) 4-Chlorophenyl-phenylether	10.28	204	1135326	29.44	ng	92
65) n-Nitrosodiphenylamine	10.40	169	1654580	24.13	ng	99
66) 4-Bromophenyl-phenylether	10.77	248	509896	22.54	ng	# 68
67) Hexachlorobenzene	10.82	284	300591	11.95	ng	# 67
70) Phenanthrene	11.23	178	3002918	27.96	ng	98
73) Di-n-butylphthalate	11.79	149	2651871	20.51	ng	99
77) Pyrene	12.65	202	3988243	32.68	ng	97
79) Butylbenzylphthalate	13.30	149	1877981	30.67	ng	97
80) Benzo(a)anthracene	13.87	228	3638924	33.59	ng	98
82) Chrysene	13.91	228	3183251	32.64	ng	98
83) Bis(2-ethylhexyl)phthalate	13.90	149	859208	10.60	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.66	276	996949	12.00	ng	95
87) Benzo(b)fluoranthene	14.98	252	1469447m	14.53	ng	
88) Benzo(k)fluoranthene	15.01	252	436725m	5.25	ng	
89) Benzo(a)pyrene	15.31	252	2847502	34.11	ng	98
90) Dibenzo(a,h)anthracene	16.69	278	672437	10.23	ng	99

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Quant Time: Aug 17 11:24:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	17.05	276	1284584	19.20	nq	98

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

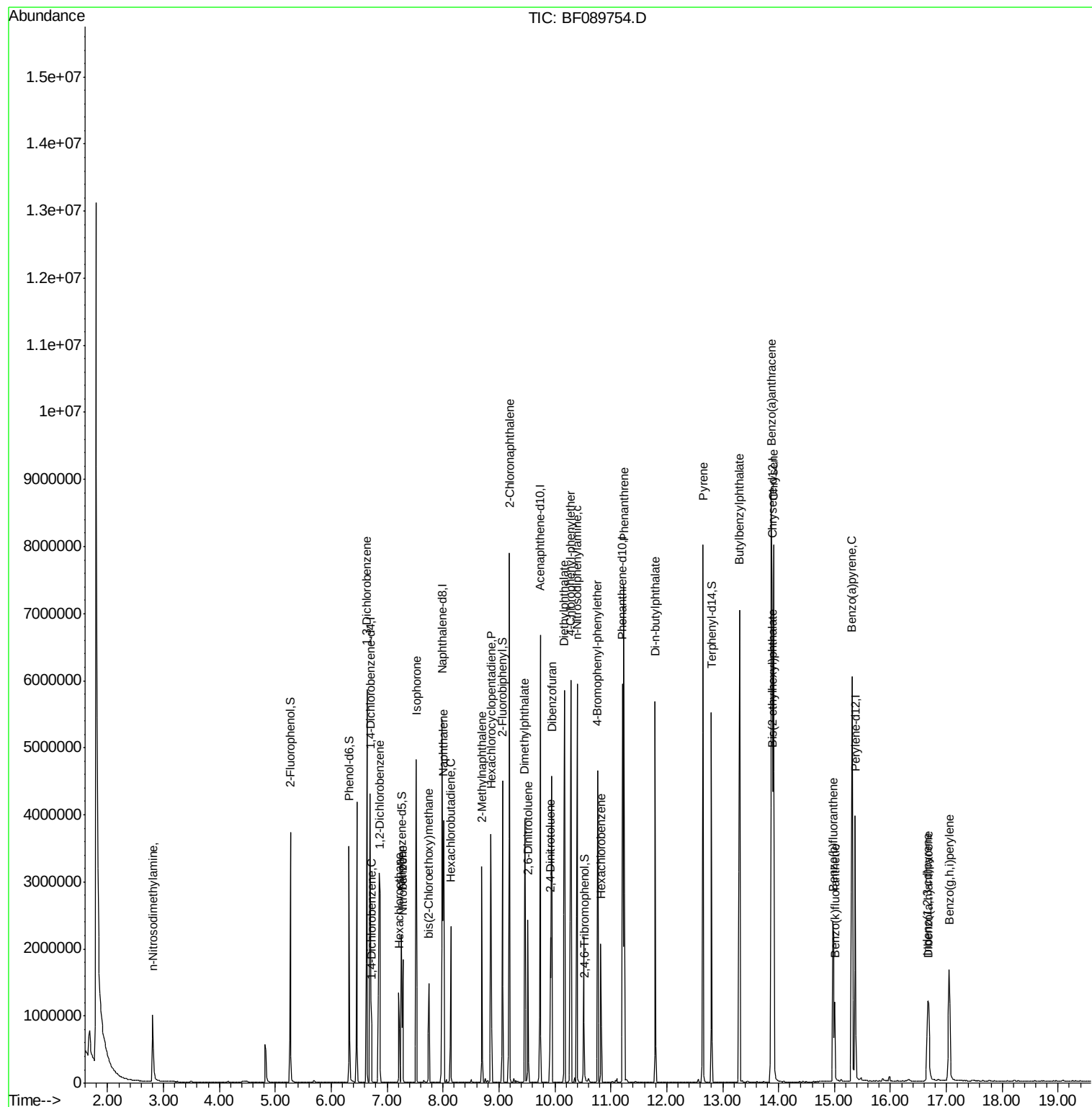
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
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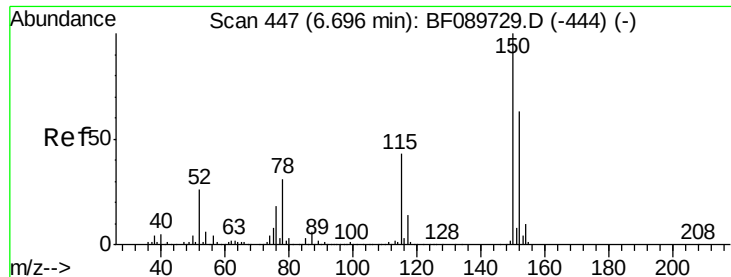
Instrument :
BNA_F
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9536DL

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#1

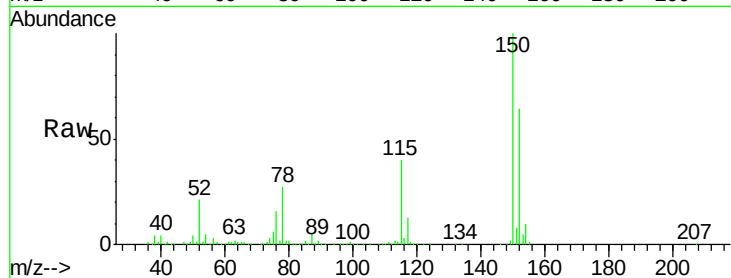
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.70 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampled :
9536DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.3	187.9
115	62.8	40.9	61.3

Manual Integrations
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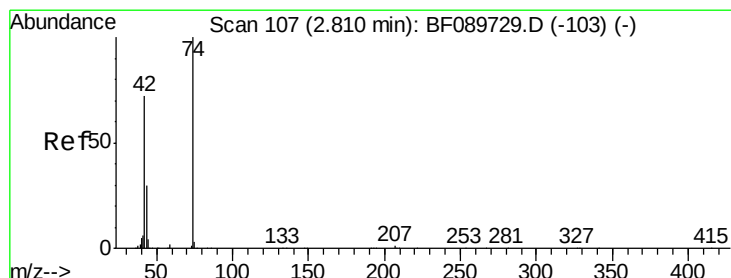
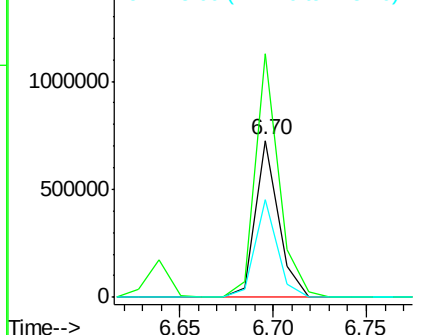
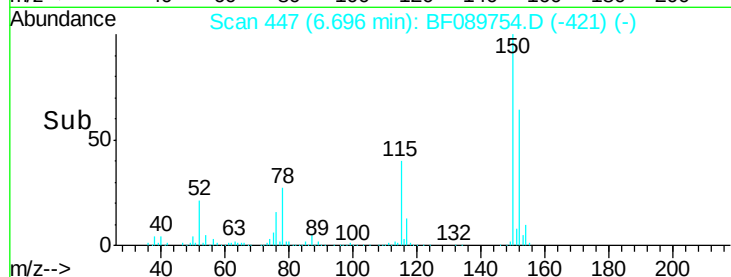


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

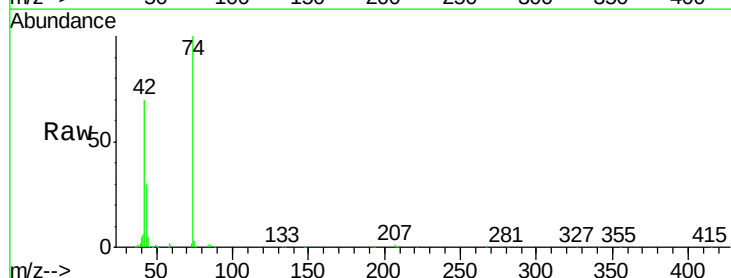
Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine
Concen: 25.54 ng
RT: 2.81 min Scan# 107
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
42	100		
74	143.1	106.2	159.2
44	7.1	6.9	10.3

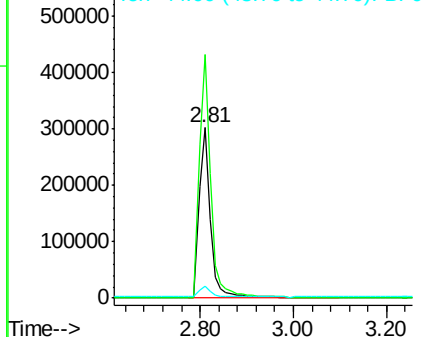
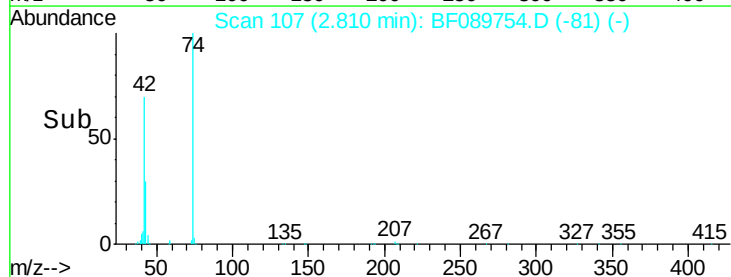


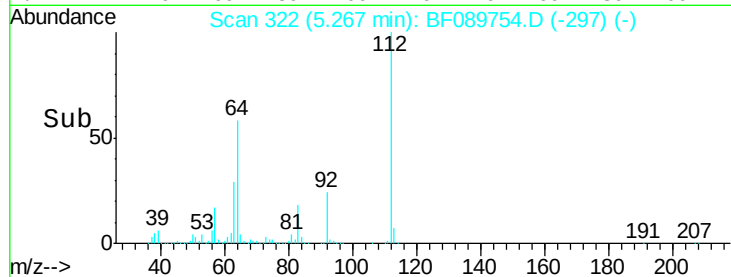
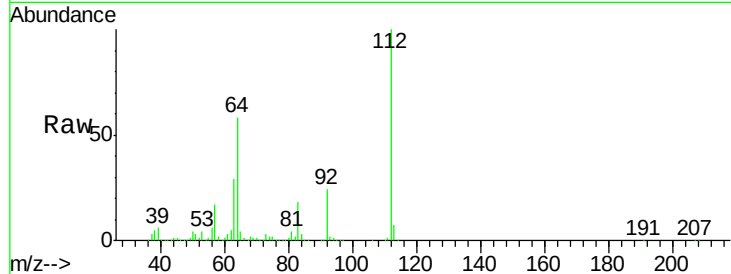
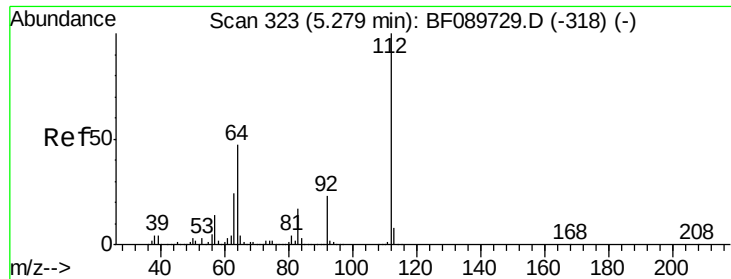
Abundance

Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 26.27 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		987894		
64	57.6	45.0	67.4		
63	28.8	23.1	34.7		

Instrument :

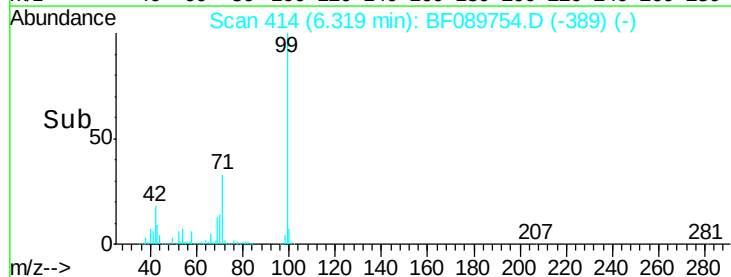
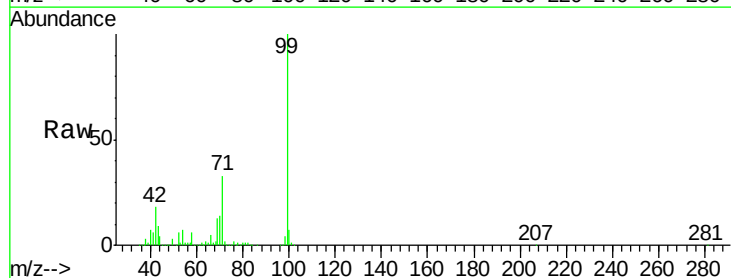
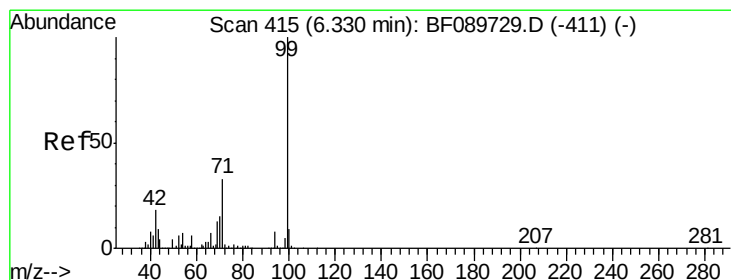
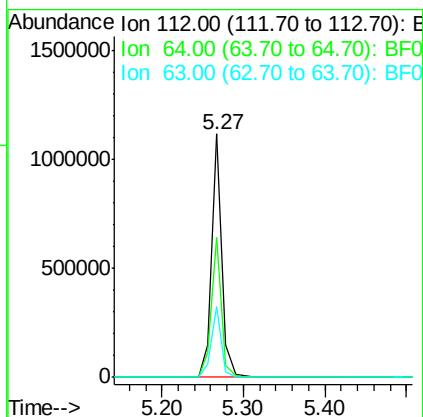
BNA_F

ClientSampled :

9536DL

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#7

Phenol-d6

Concen: 24.85 ng

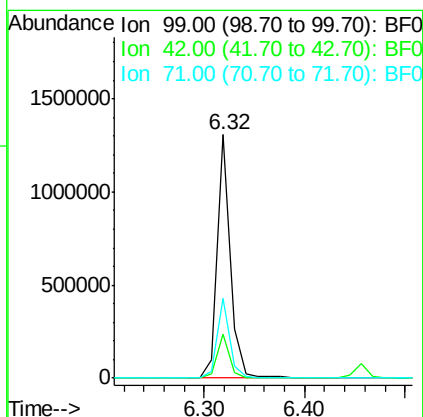
RT: 6.32 min Scan# 414

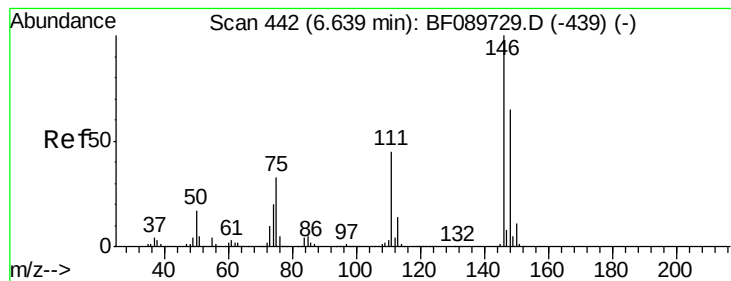
Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		1188563		
42	17.9	12.2	18.4		
71	32.7	23.8	35.8		





#12

1,3-Dichlorobenzene

Concen: 29.51 ng m

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampled :

9536DL

Tot Ion:146 Resp: 1410830

Ion Ratio Lower Upper

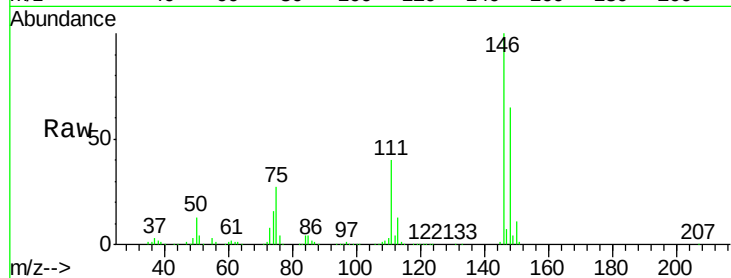
146 100

148 65.3 51.0 76.4

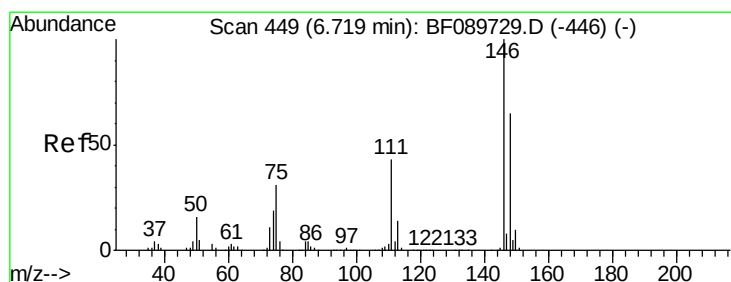
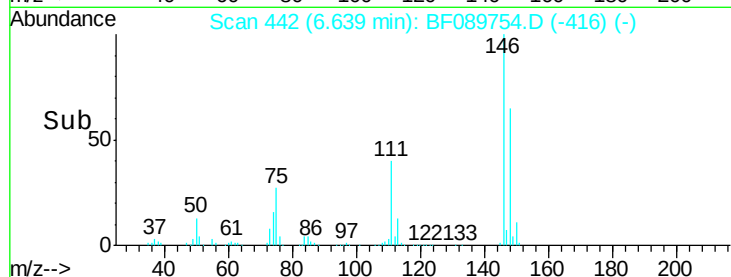
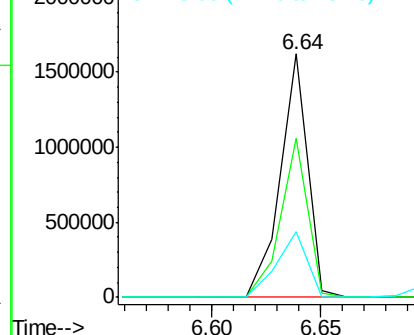
75 27.0 27.0 40.6#

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 5.23 ng m

RT: 6.72 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

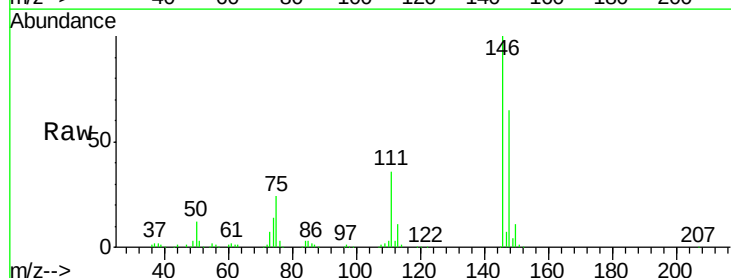
Tgt Ion:146 Resp: 253444

Ion Ratio Lower Upper

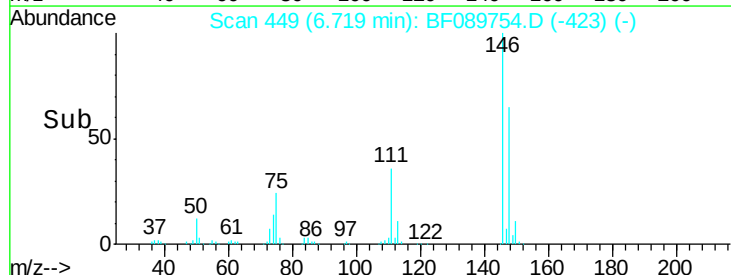
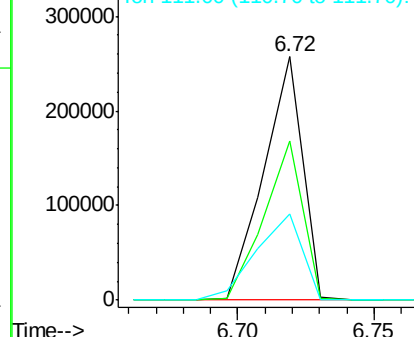
146 100

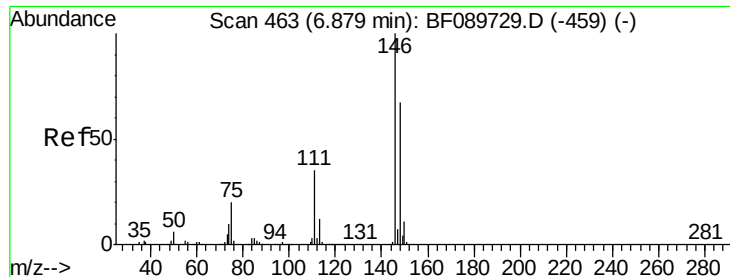
148 65.3 51.0 76.6

111 35.5 34.6 52.0



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





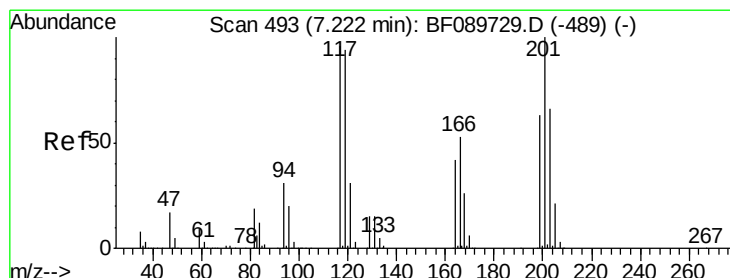
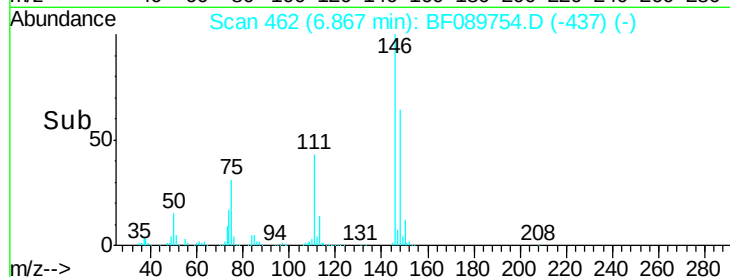
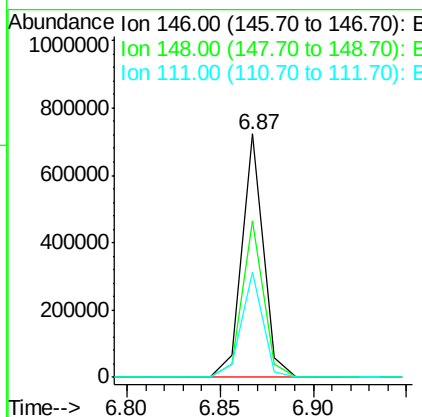
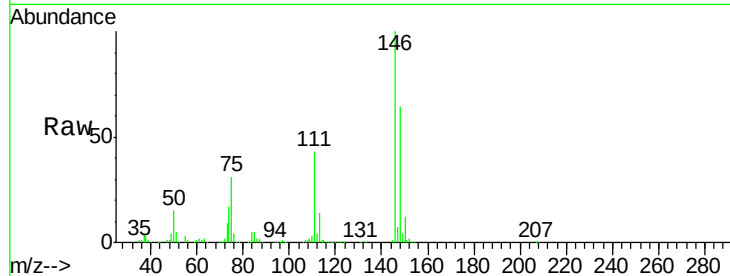
#14
 1,2-Dichlorobenzene
 Concen: 12.61 ng
 RT: 6.87 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
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 ClientSampleID :
 9536DL

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	43.1	29.8	44.6

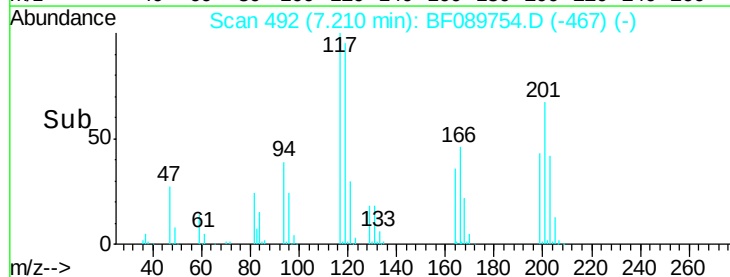
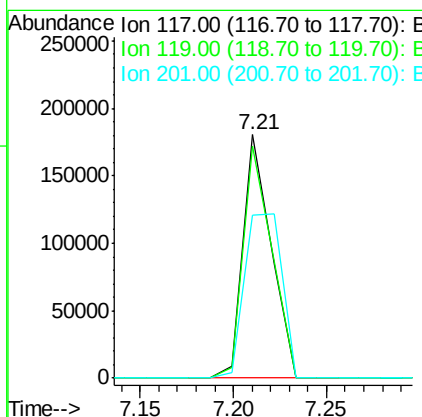
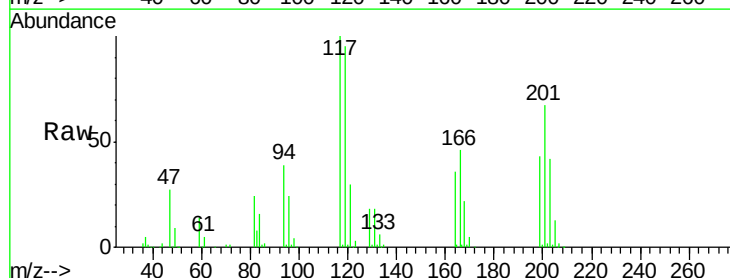
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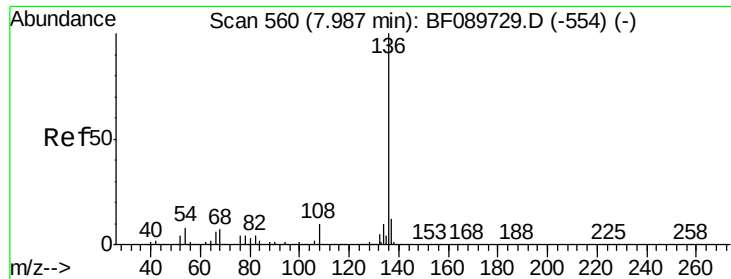
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#18
 Hexachloroethane
 Concen: 10.62 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.1	115.7
201	67.2	76.9	115.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

Tot Ion:136 Resp: 2580516

Ion Ratio Lower Upper

136 100

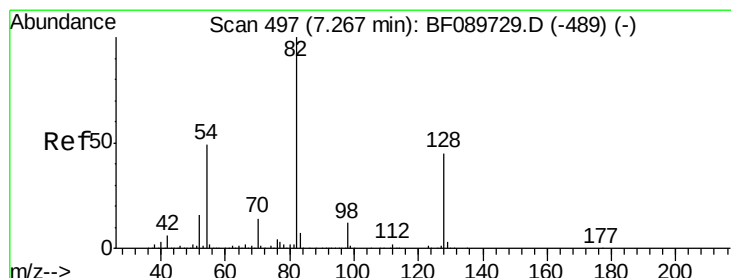
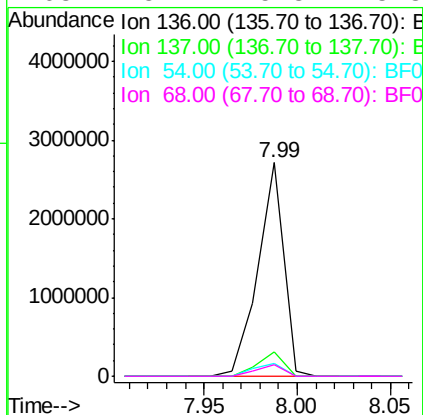
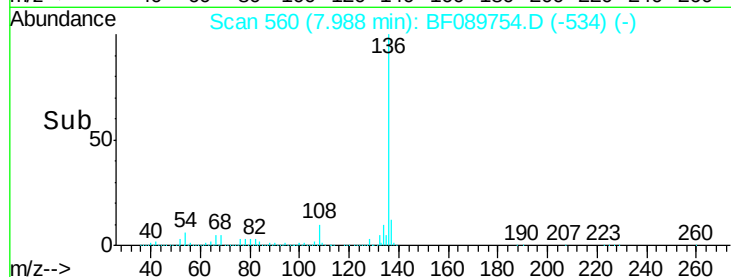
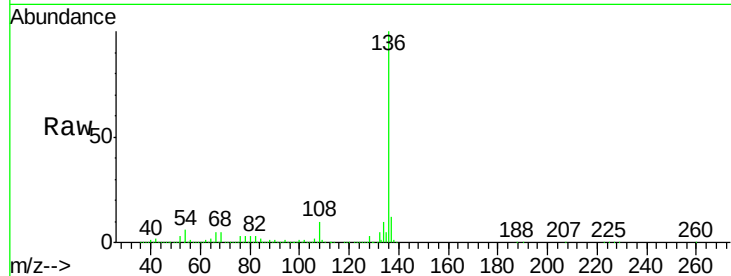
137 11.5 9.2 13.8

54 6.0 7.2 10.8#

68 5.4 5.8 8.8#

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 17.53 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

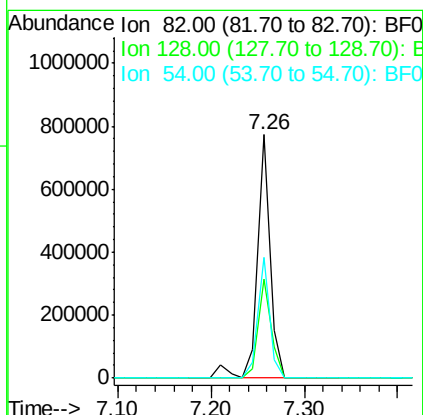
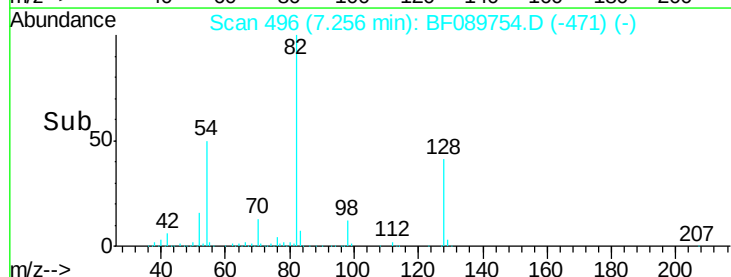
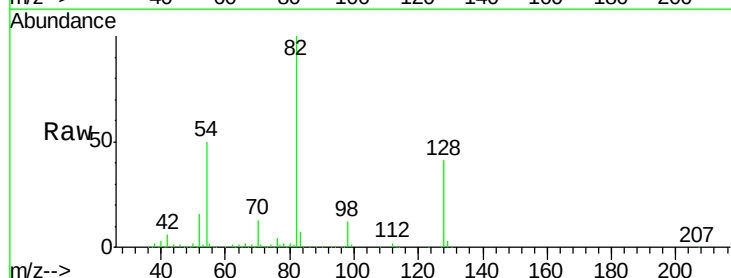
Tgt Ion: 82 Resp: 740724

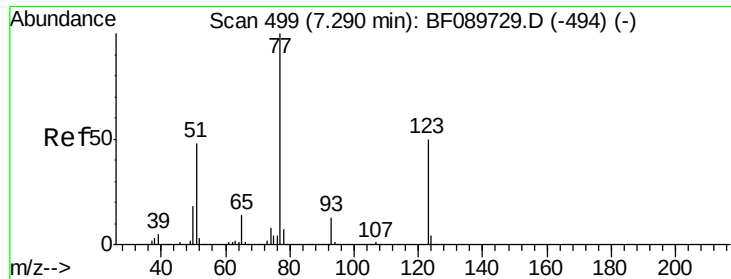
Ion Ratio Lower Upper

82 100

128 40.6 34.4 51.6

54 49.5 40.3 60.5





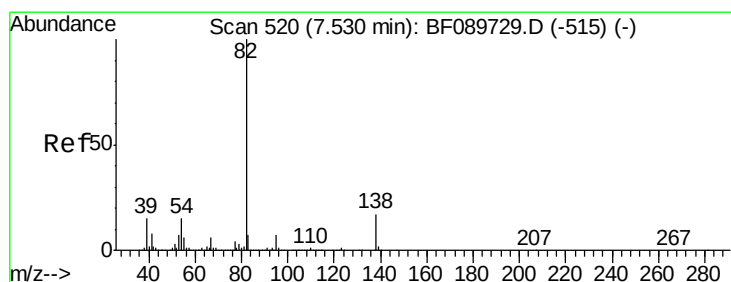
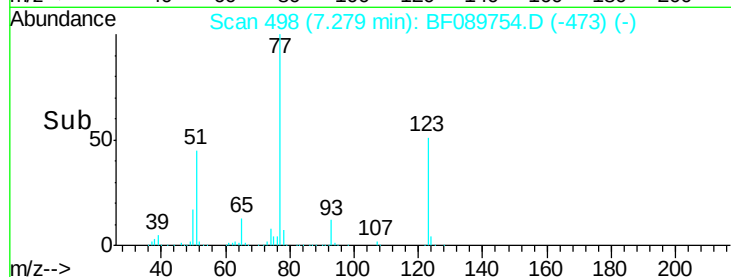
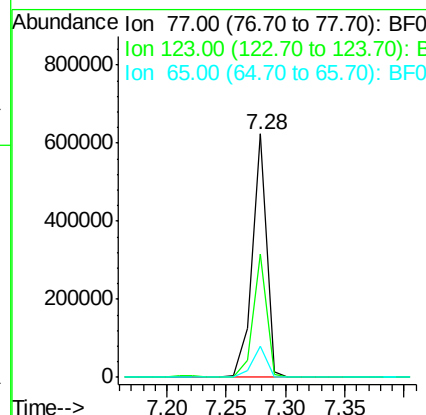
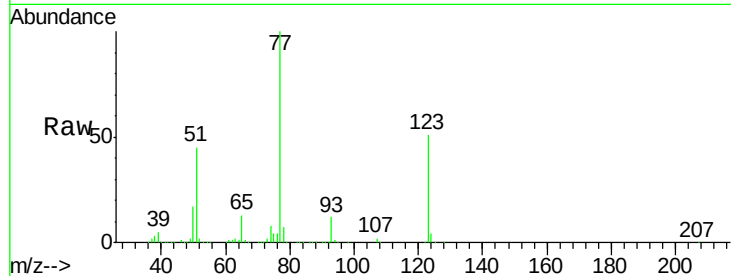
#24
 Nitrobenzene
 Concen: 11.12 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampled :
 9536DL

Tot Ion	Ratio	Lower	Upper
77	100		
123	50.7	36.2	54.2
65	13.0	10.6	15.8

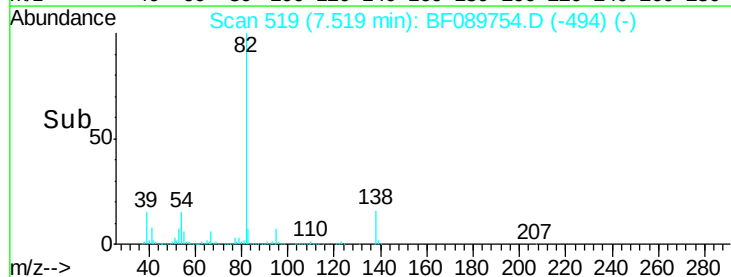
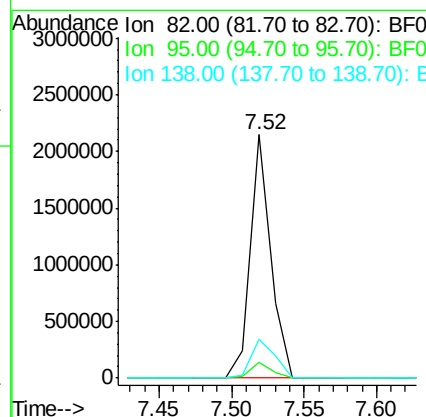
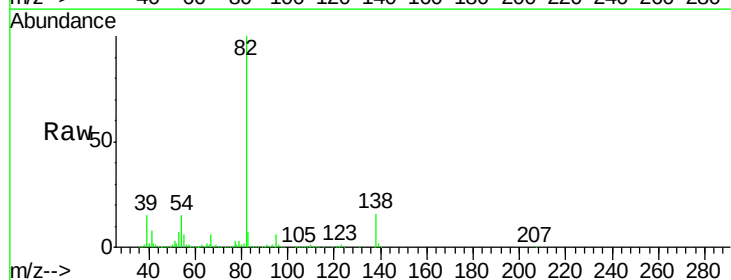
Manual Integrations
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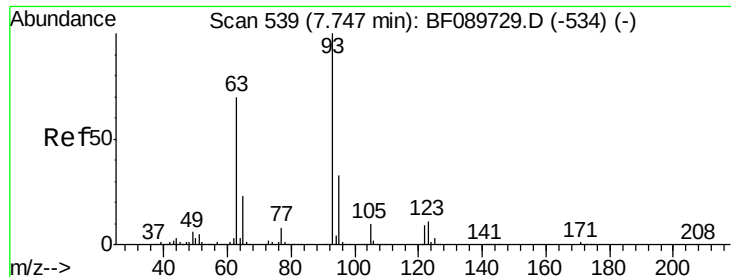
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#25
 Isophorone
 Concen: 24.81 ng
 RT: 7.52 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.3	7.9
138	15.8	13.0	19.4





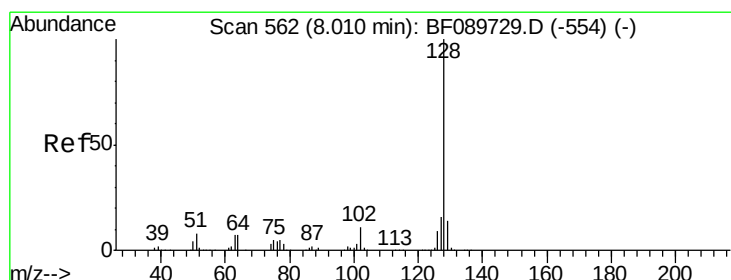
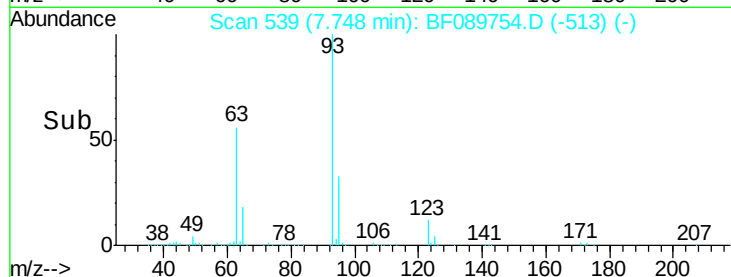
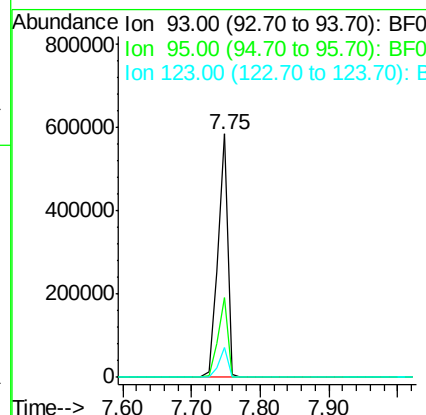
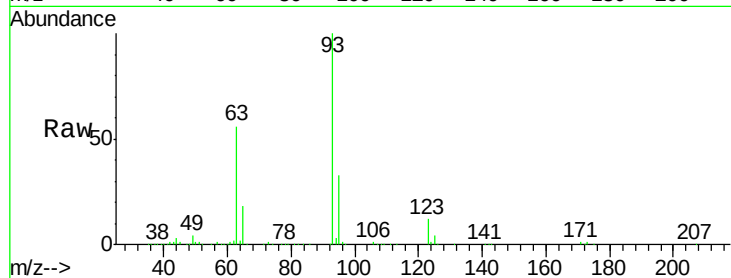
#28
bis(2-Chloroethoxy)methane
Concen: 11.60 ng
RT: 7.75 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampled :
9536DL

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.7	25.5	38.3	
123	12.1	8.5	12.7	

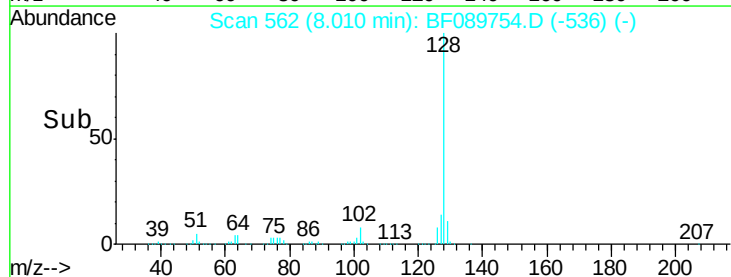
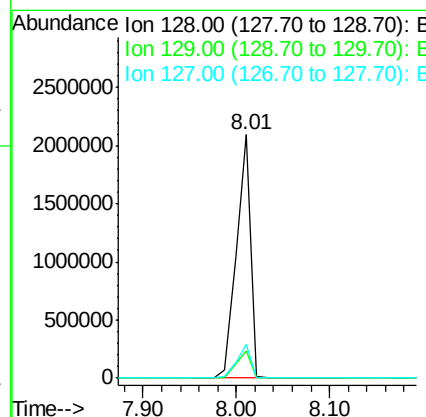
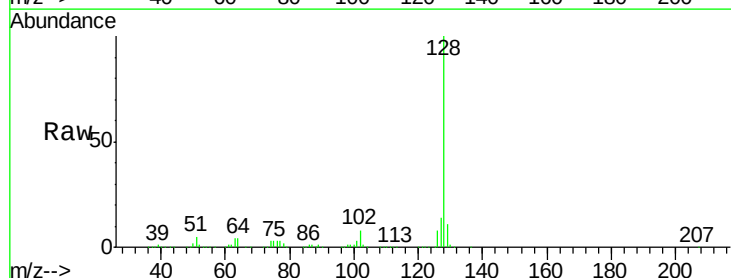
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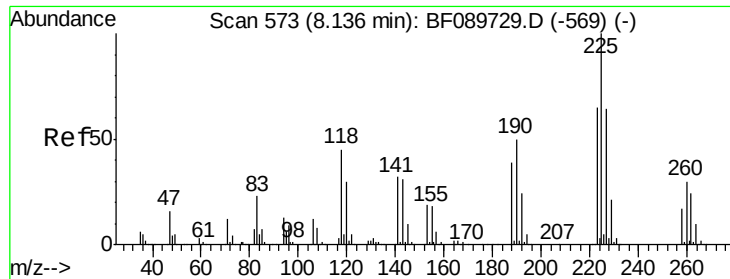
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#31
Naphthalene
Concen: 19.16 ng
RT: 8.01 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.5	14.3	
127	13.9	11.3	16.9	





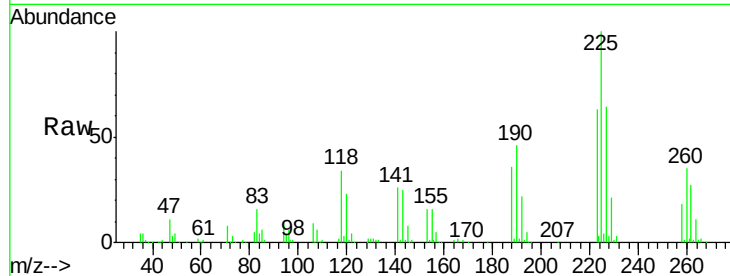
#34
Hexachlorobutadiene
Concen: 12.59 ng
RT: 8.14 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampleId :
9536DL

Tot Ion	Ratio	Resp	Lower	Upper
225	100	250579		
223	62.6		51.0	76.6
227	64.4		49.8	74.6

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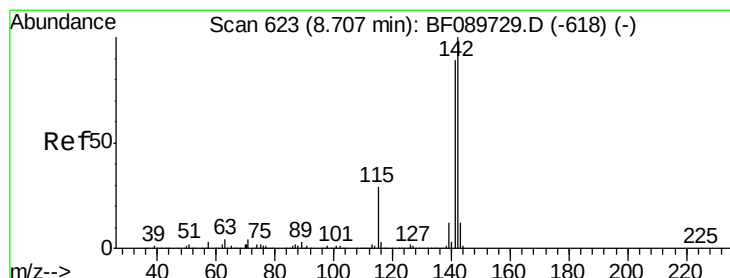
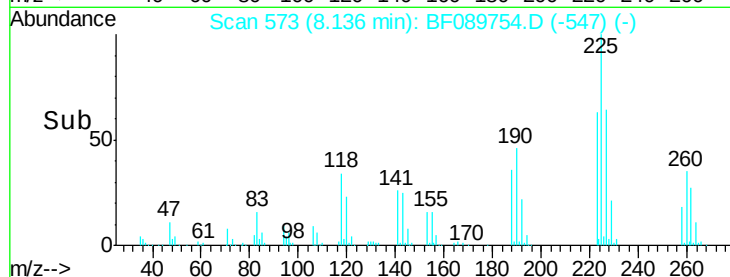
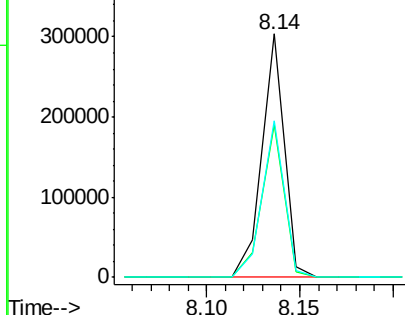


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37
2-Methylnaphthalene
Concen: 10.27 ng
RT: 8.70 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

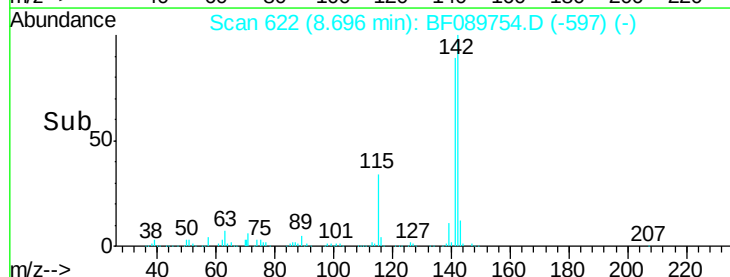
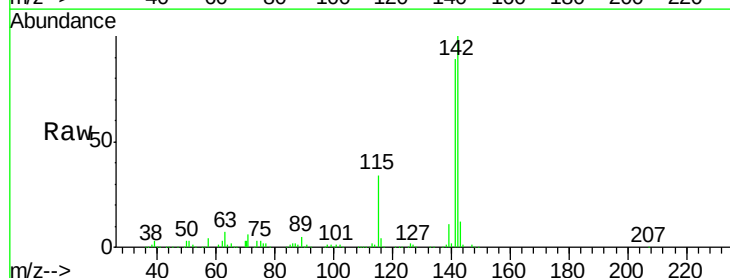
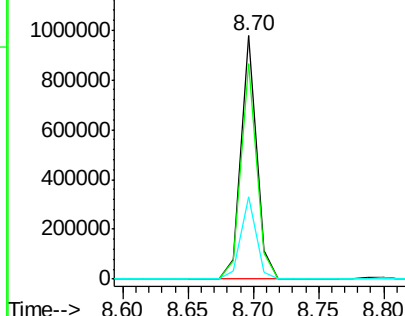
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	810031		
141	88.6		71.4	107.2
115	34.0		22.7	34.1

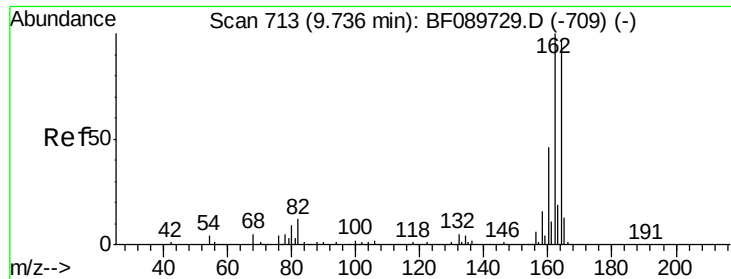
Abundance

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: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampled :

9536DL

Tot Ion:164 Resp: 1225253

Ion Ratio Lower Upper

164 100

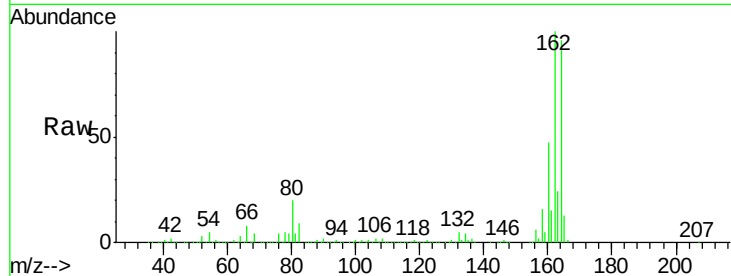
162 104.2 81.4 122.2

160 48.6 37.8 56.6

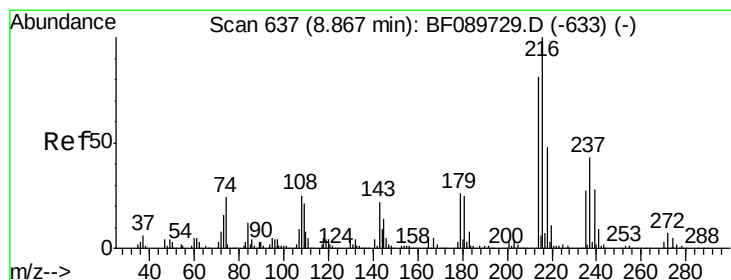
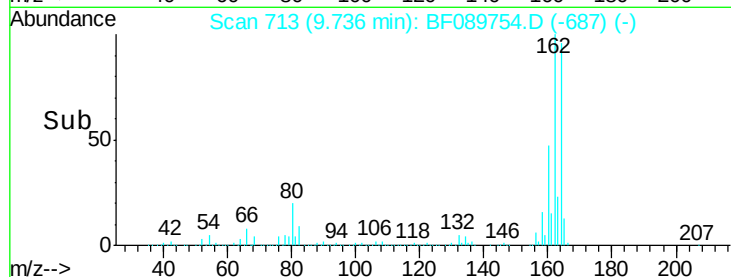
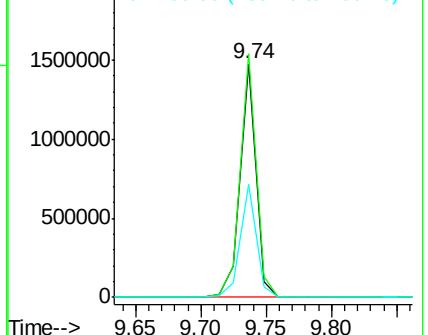
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 25.77 ng

RT: 8.86 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

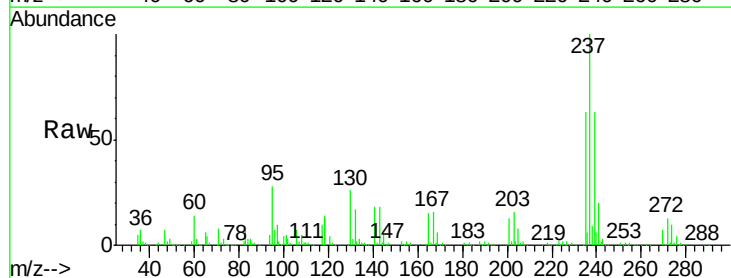
Tgt Ion:237 Resp: 452336

Ion Ratio Lower Upper

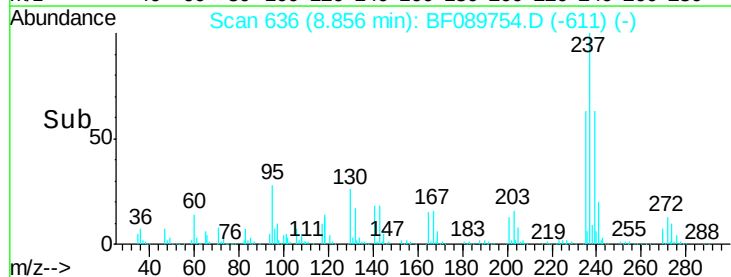
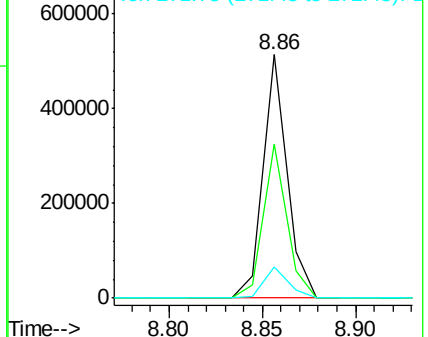
237 100

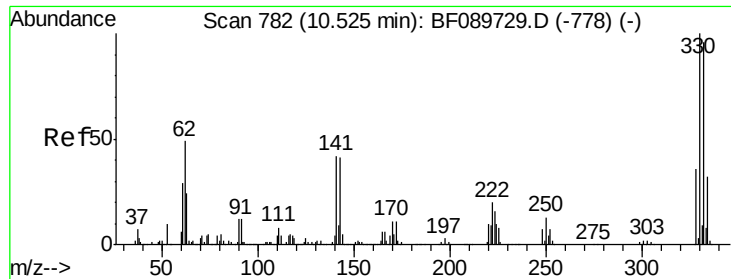
235 63.4 43.7 83.7

272 12.6 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





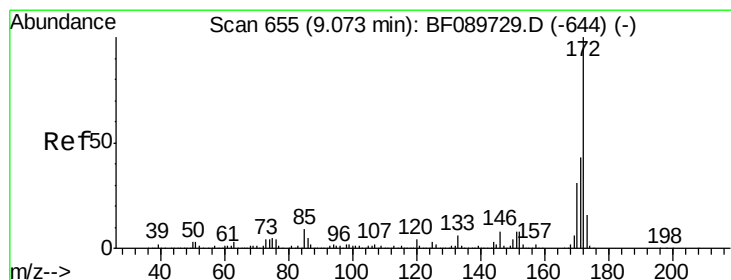
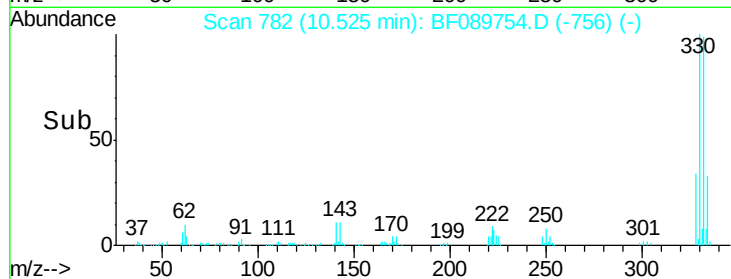
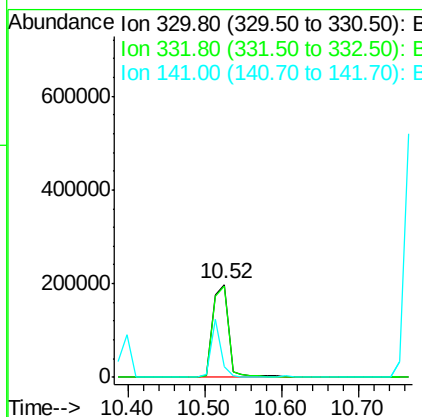
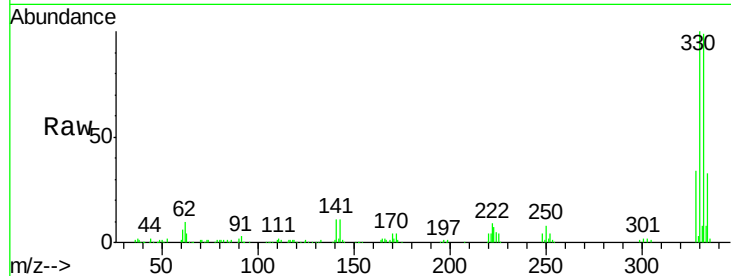
#41
 2,4,6-Tribromophenol
 Concen: 24.12 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleID :
 9536DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	285921		
332	98.0	76.7	115.1	
141	38.7	30.2	45.2	

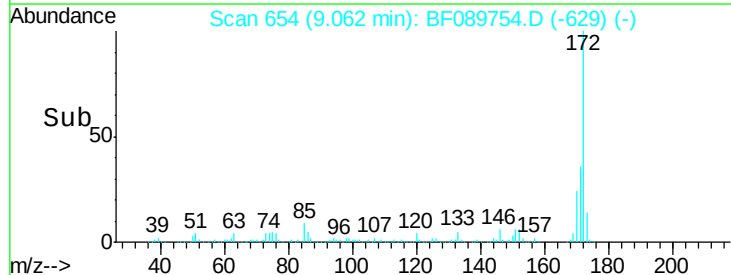
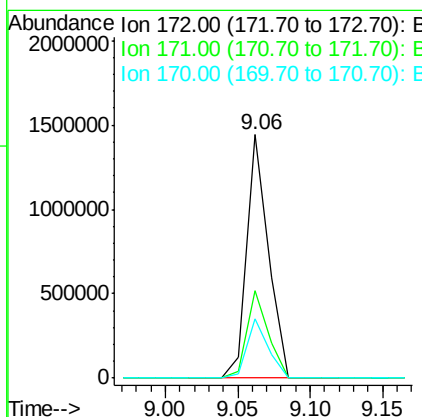
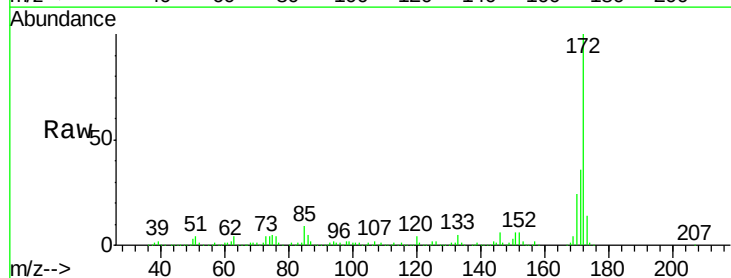
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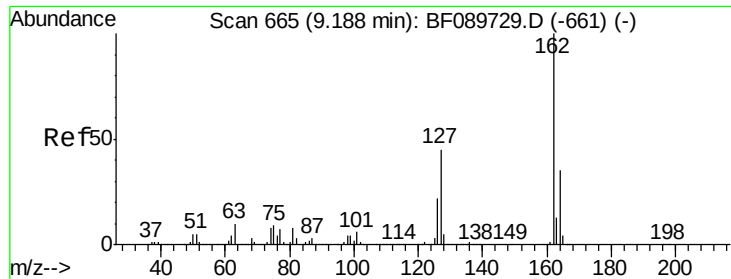
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#44
 2-Fluorobiphenyl
 Concen: 19.46 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1485937		
171	35.8	30.5	45.7	
170	24.3	20.6	31.0	





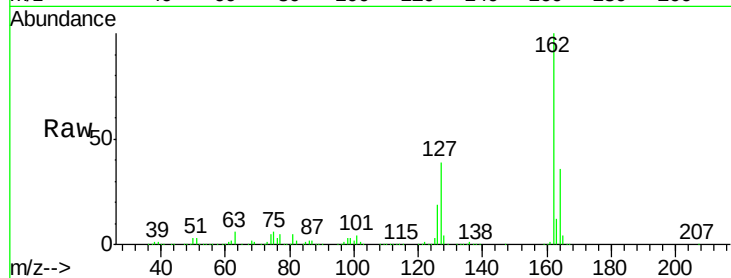
#46
2-Chloronaphthalene
Concen: 34.94 ng
RT: 9.19 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampled :
9536DL

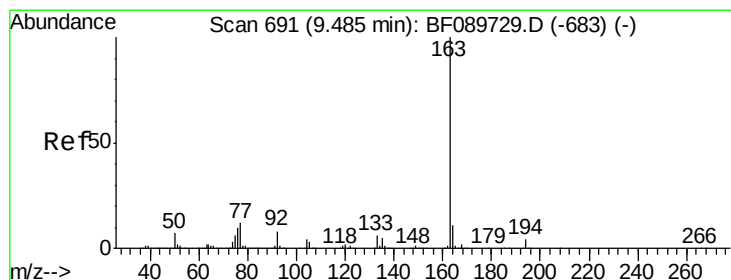
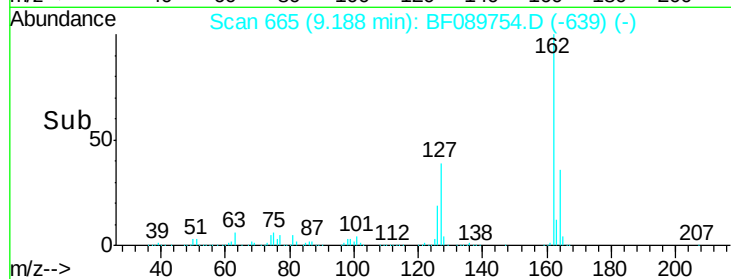
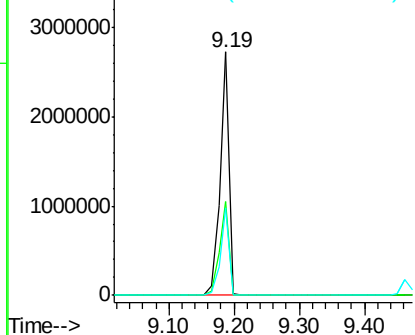
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.6	35.5	53.3
164	35.9	26.6	40.0

Manual Integrations
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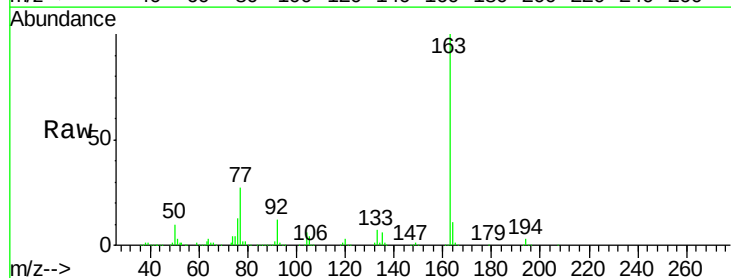


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

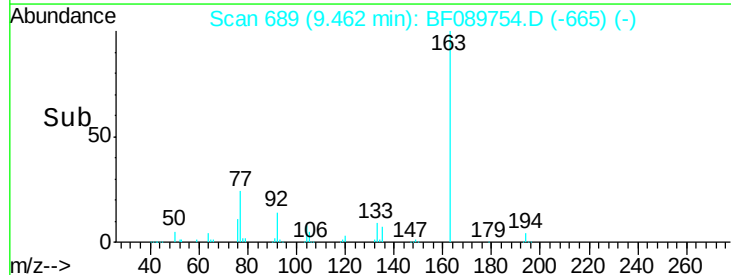
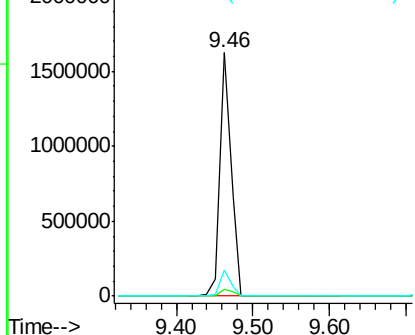


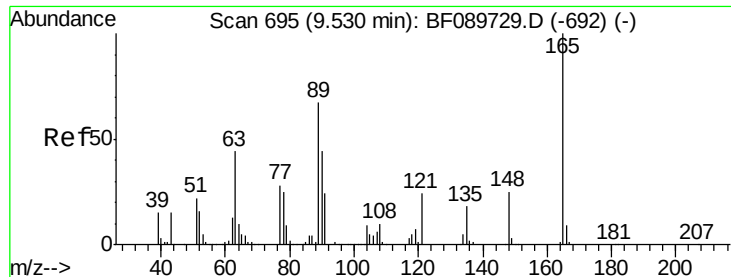
#49
Dimethylphthalate
Concen: 18.76 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	3.8
164	10.9	8.6	12.8



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





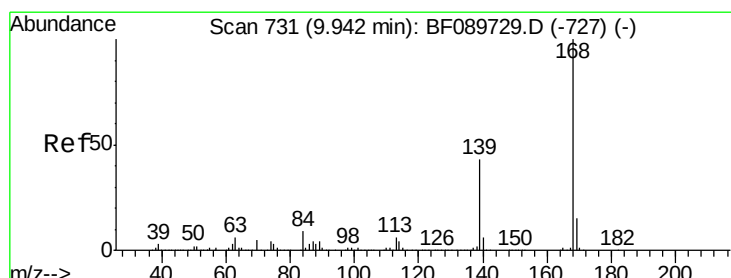
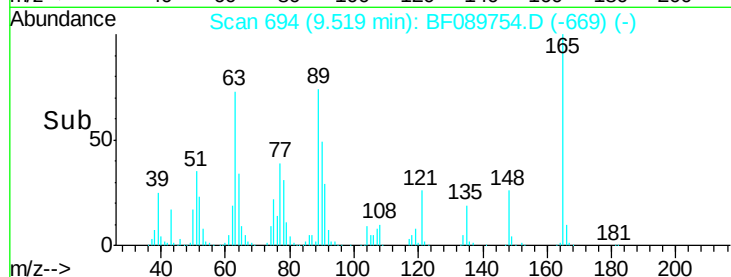
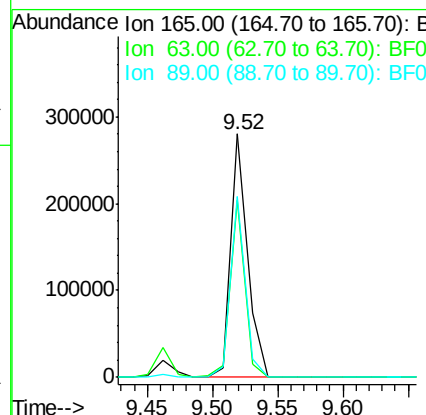
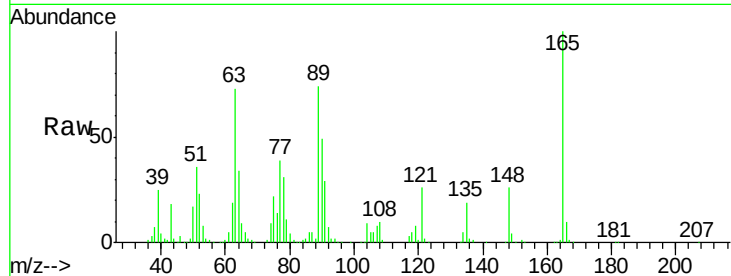
#50
 2,6-Dinitrotoluene
 Concen: 12.59 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Tot Ion	Ratio	Resp	Lower	Upper
165	100	252612		
63	72.8	41.7	62.5#	
89	74.2	44.6	67.0#	

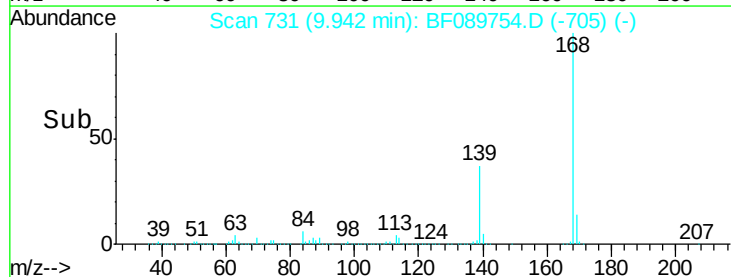
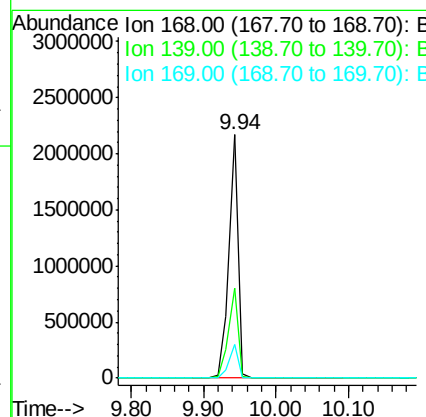
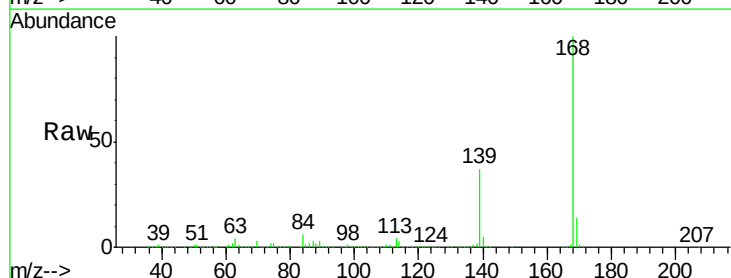
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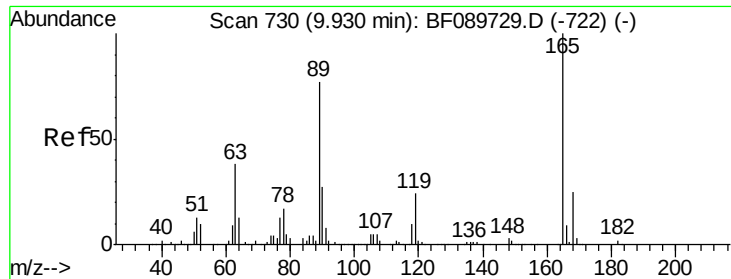
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#54
 Dibenzofuran
 Concen: 19.72 ng
 RT: 9.94 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1916676		
139	37.0	34.6	52.0	
169	13.8	11.5	17.3	





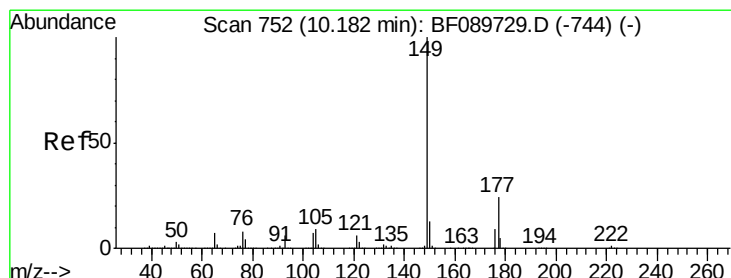
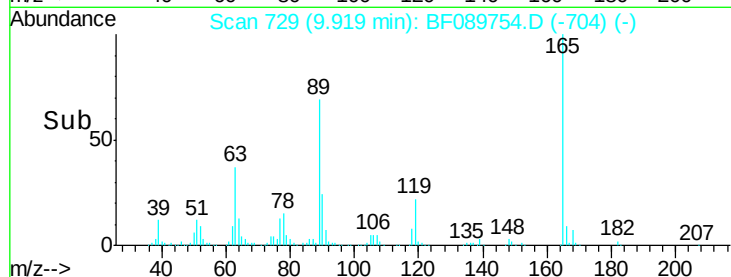
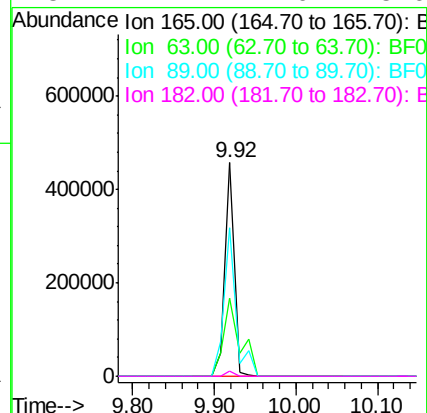
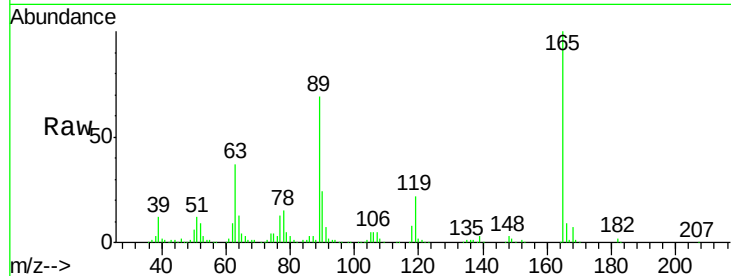
#56
 2,4-Dinitrotoluene
 Concen: 13.92 ng
 RT: 9.92 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		358932		
63	36.9	23.7	35.5#		
89	69.3	44.0	66.0#		
182	2.2	2.0	3.0		

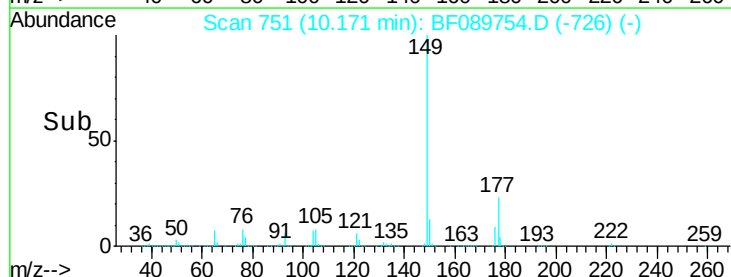
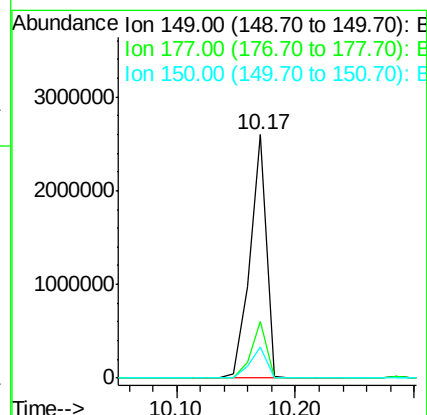
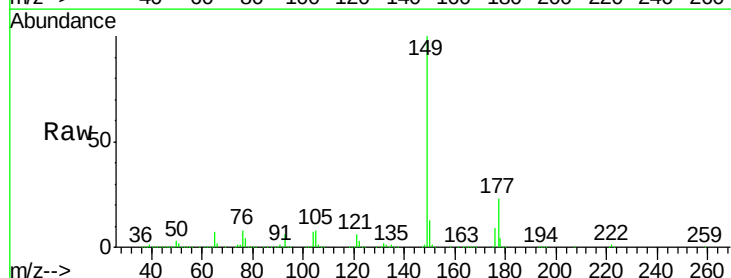
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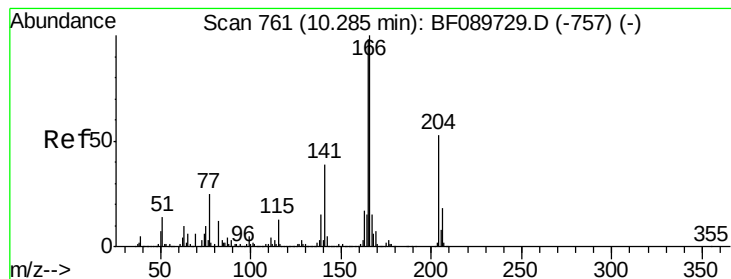
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#59
 Diethylphthalate
 Concen: 27.82 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		2500411		
177	23.2	16.6	25.0		
150	13.0	10.5	15.7		





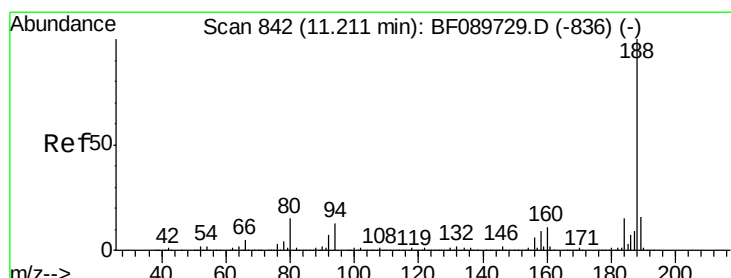
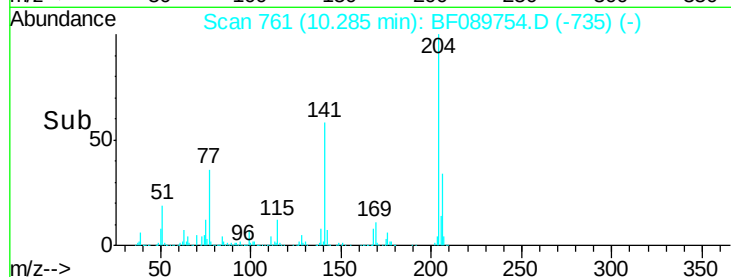
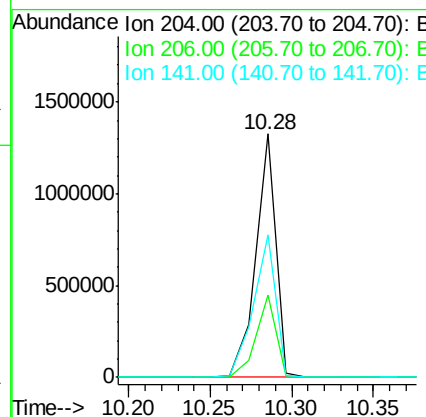
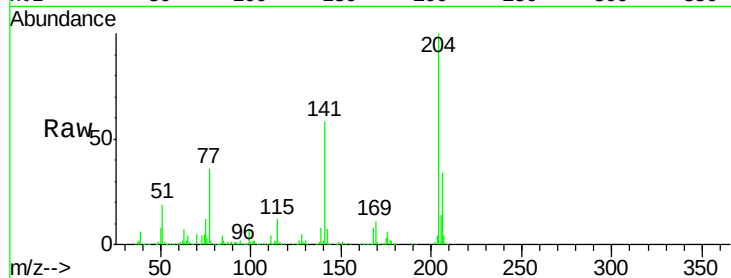
#60
 4-Chlorophenyl-phenylether
 Concen: 29.44 ng
 RT: 10.28 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampled :
 9536DL

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.5	39.7
141	58.4	54.1	81.1

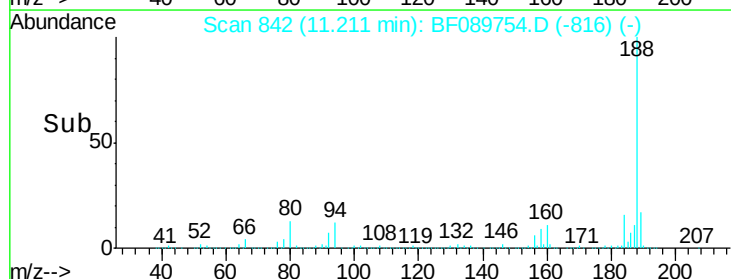
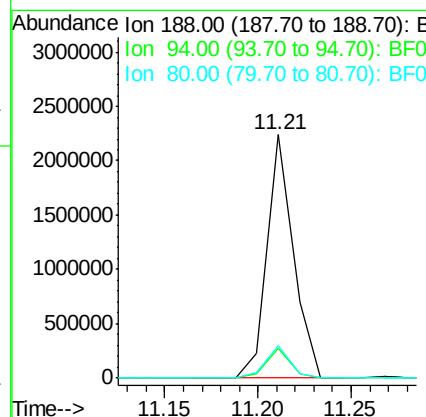
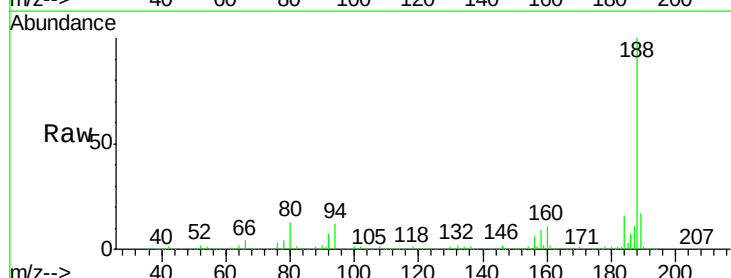
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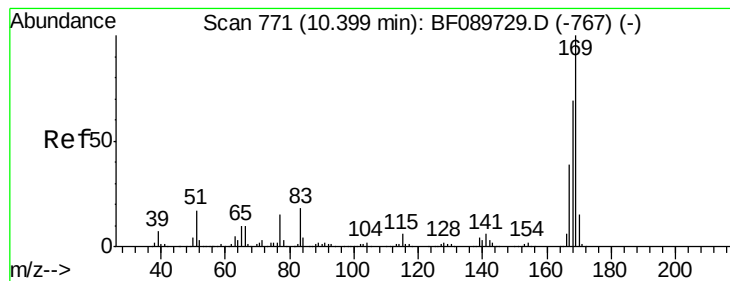
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.2
80	13.1	10.9	16.3





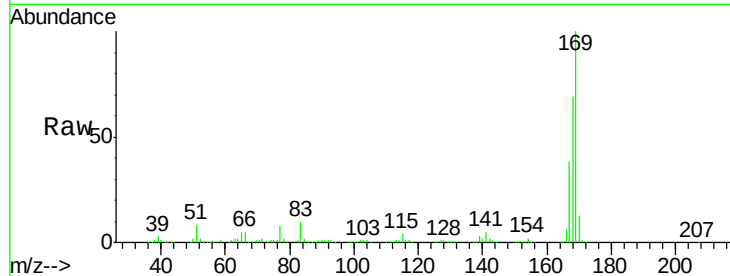
#65
 n-Nitrosodiphenylamine
 Concen: 24.13 ng
 RT: 10.40 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleID :
 9536DL

Tot Ion	Ratio	Lower	Upper
169	100		
168	69.0	54.6	82.0
167	38.5	30.6	45.8

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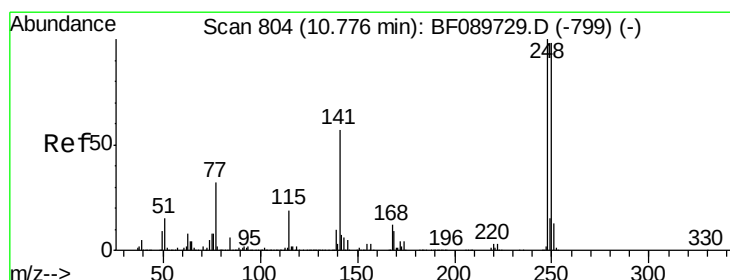
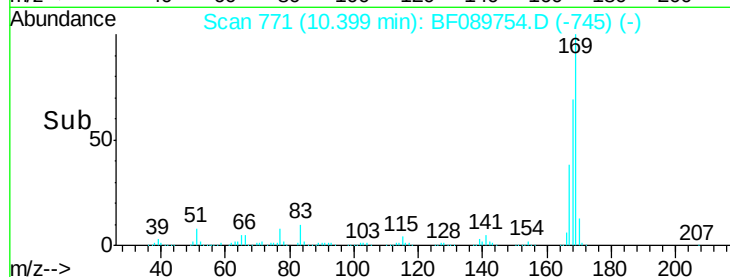
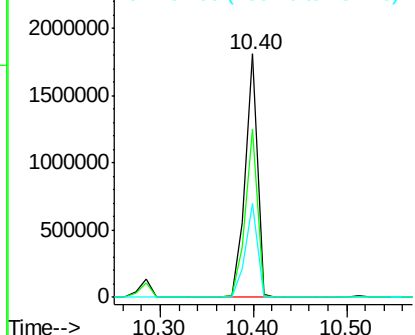


Abundance

Ion 169.00 (168.70 to 169.70): E

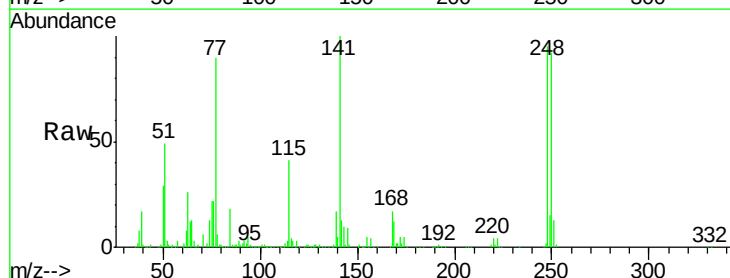
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
 4-Bromophenyl-phenylether
 Concen: 22.54 ng
 RT: 10.77 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.9	78.6	117.8
141	104.9	31.4	47.2#

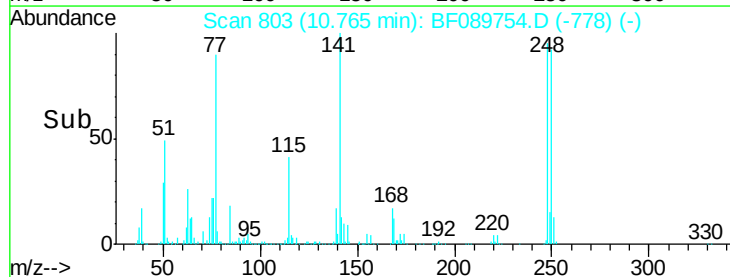
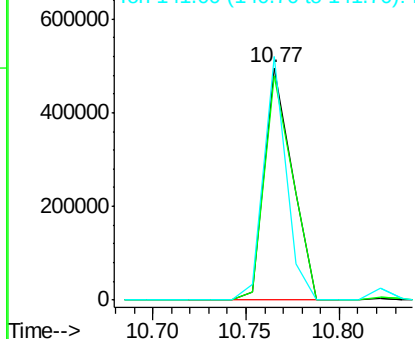


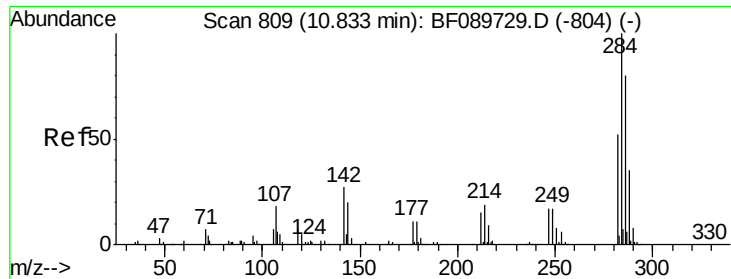
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





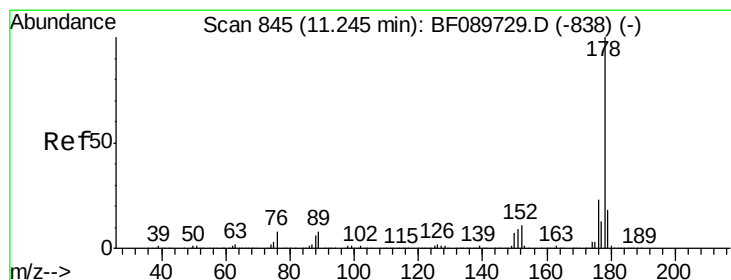
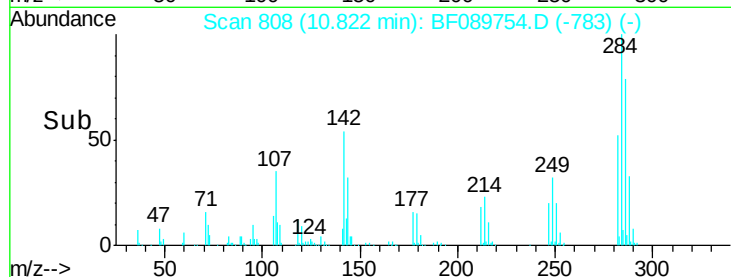
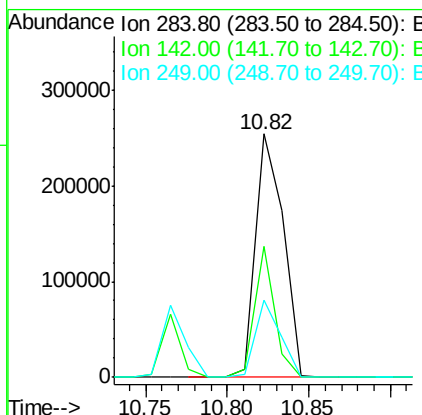
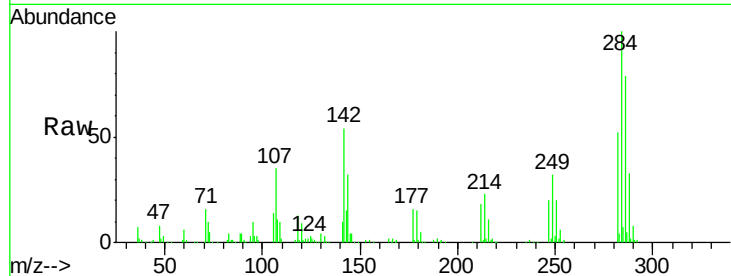
#67
Hexachlorobenzene
Concen: 11.95 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampleID :
9536DL

Tot Ion	Ratio	Resp	Lower	Upper
284	100	300591		
142	53.9	17.4	26.2	#
249	32.0	22.8	34.2	

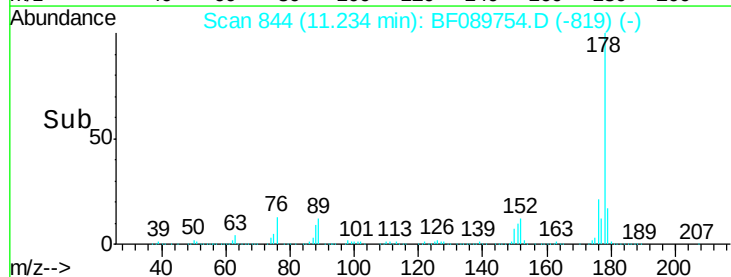
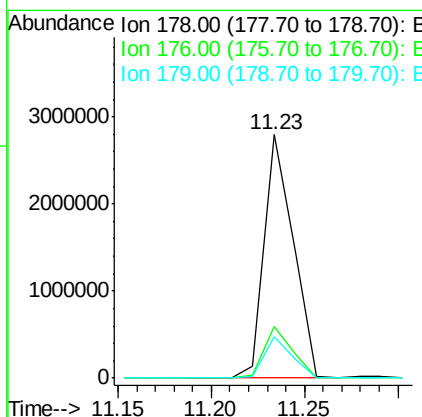
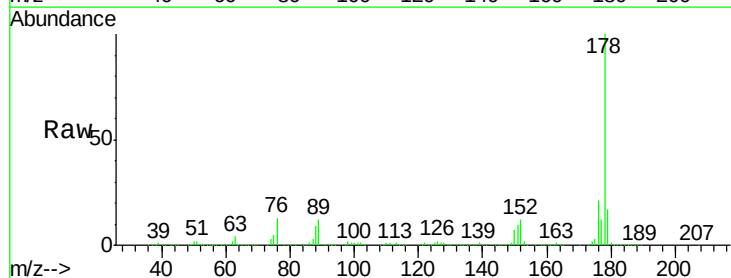
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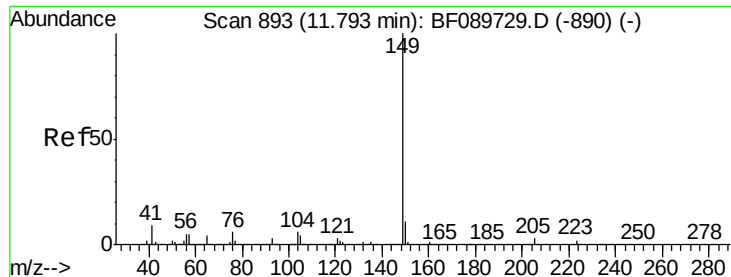
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#70
Phenanthrene
Concen: 27.96 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3002918		
176	21.0	16.4	24.6	
179	17.2	12.5	18.7	





#73

Di-n-butylphthalate

Concen: 20.51 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

Tot Ion:149 Resp: 2651871

Ion Ratio Lower Upper

149 100

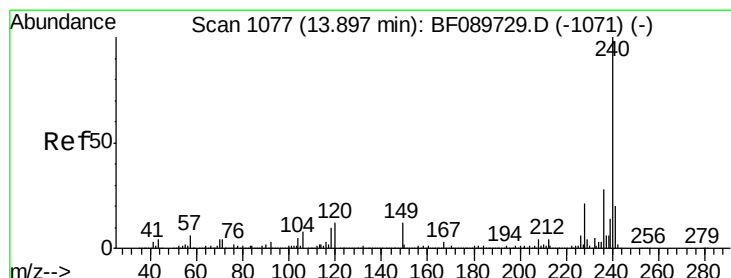
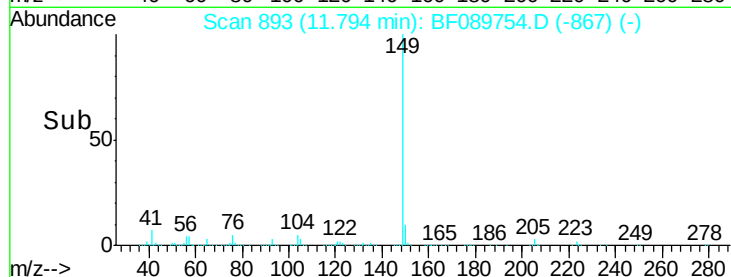
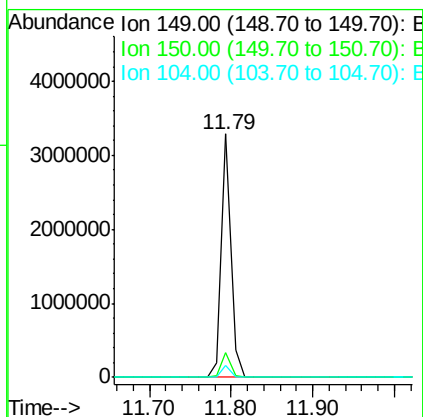
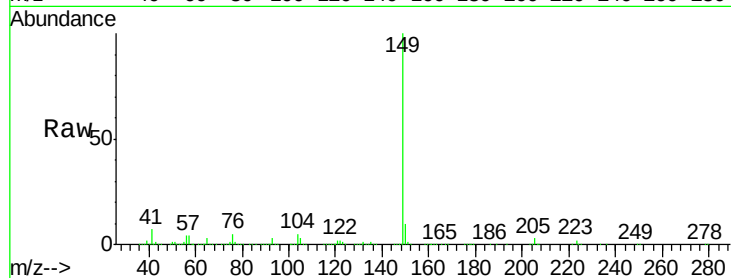
150 10.4 7.9 11.9

104 5.1 4.3 6.5

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#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

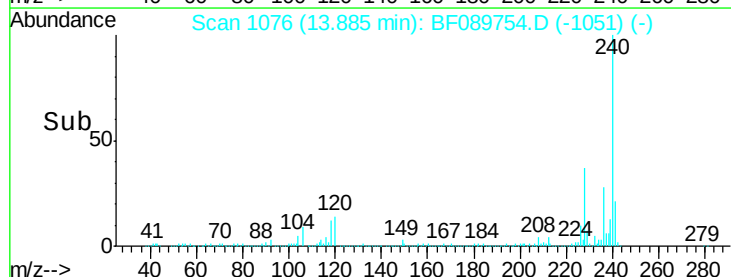
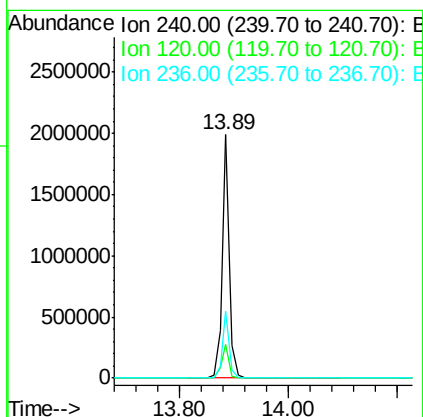
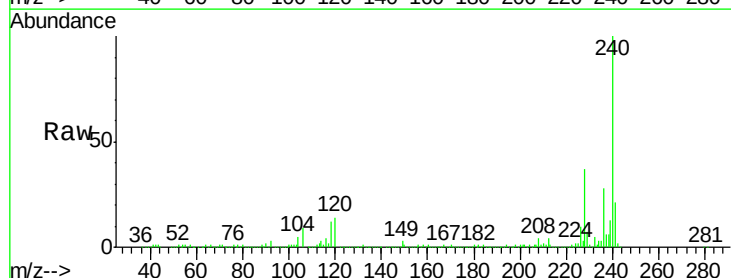
Tgt Ion:240 Resp: 1864906

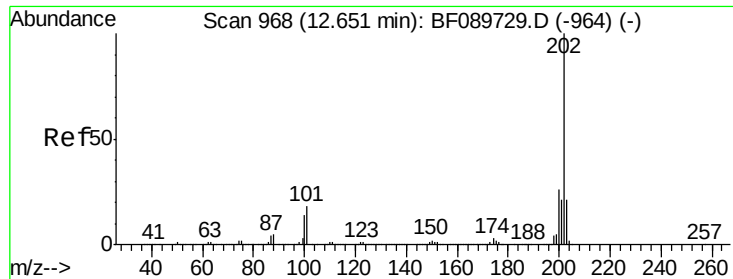
Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

236 27.8 21.3 31.9





#77

Pvrene

Concen: 32.68 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleID :

9536DL

Tot Ion:202 Resp: 3988243

Ion Ratio Lower Upper

202 100

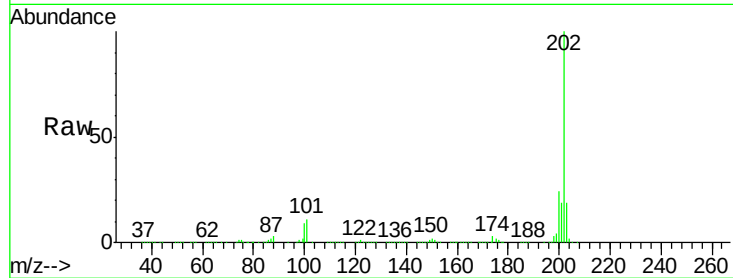
200 23.8 17.8 26.6

203 19.1 14.2 21.4

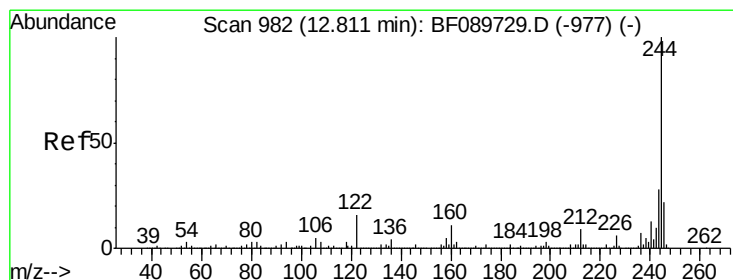
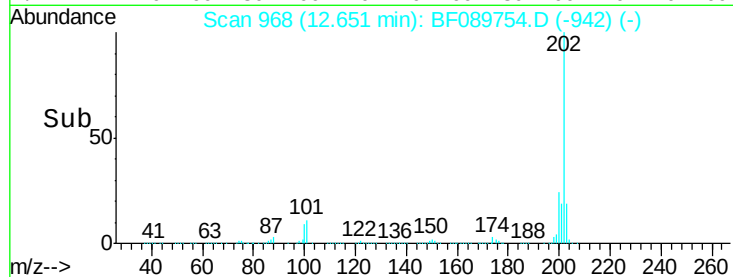
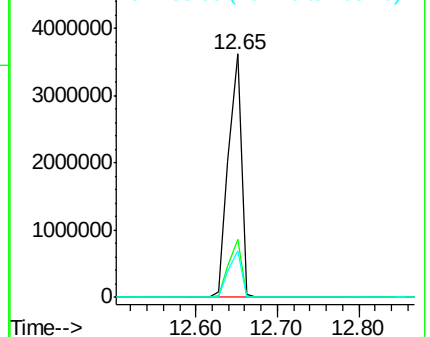
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 24.67 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

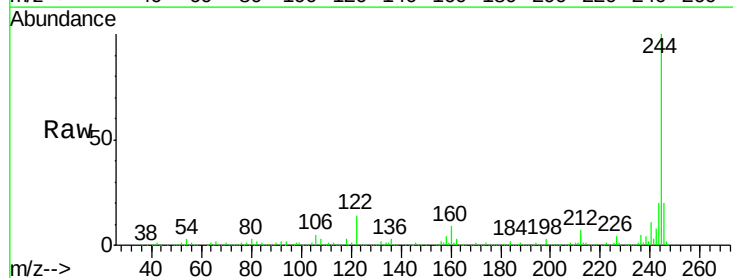
Tgt Ion:244 Resp: 1539858

Ion Ratio Lower Upper

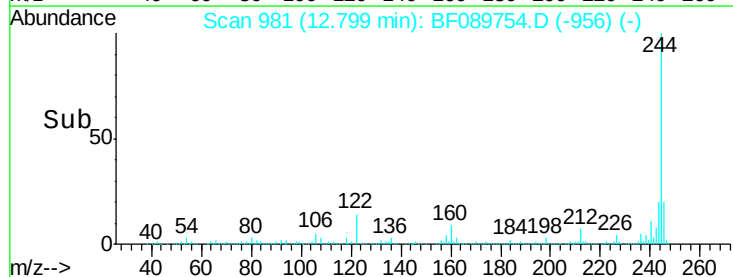
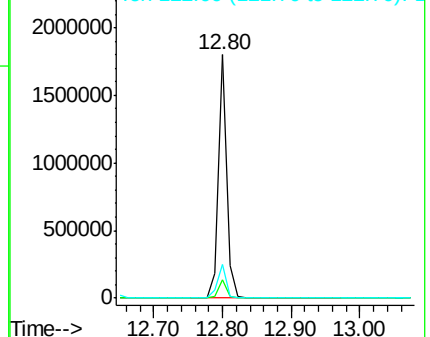
244 100

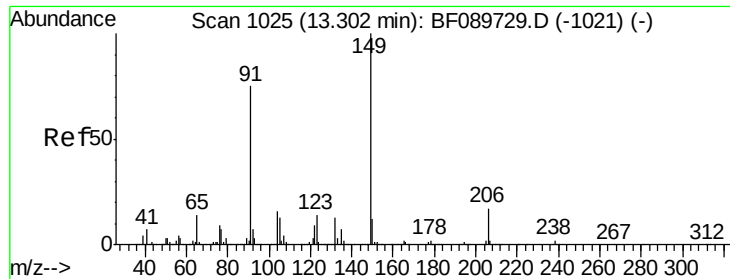
212 7.5 6.3 9.5

122 14.0 12.0 18.0



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





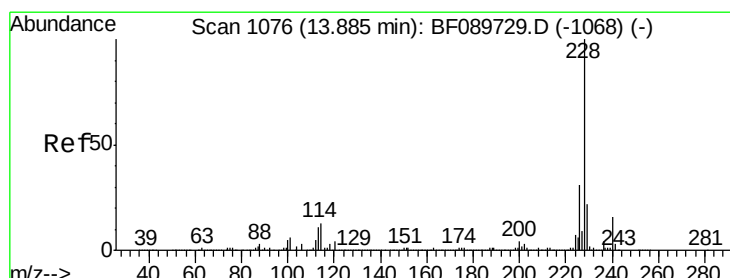
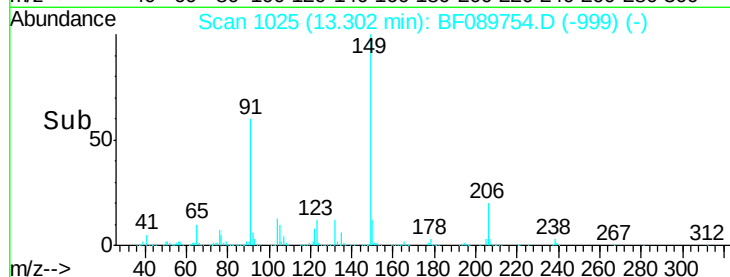
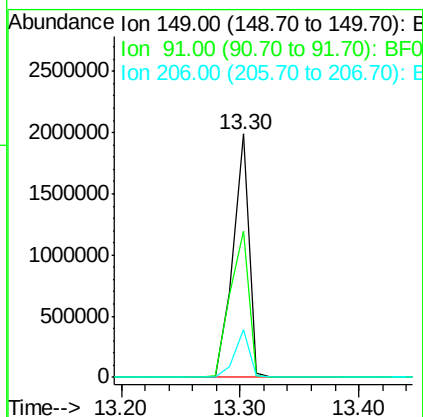
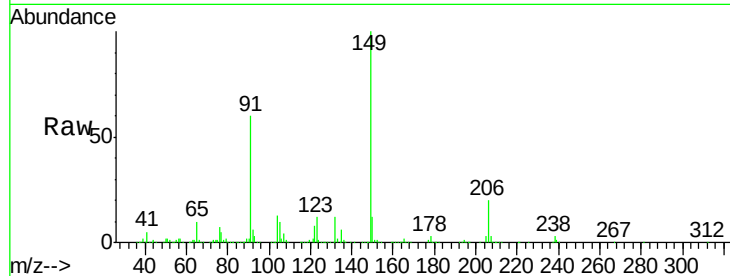
#79
Butylbenzylphthalate
Concen: 30.67 ng
RT: 13.30 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampled :
9536DL

Tot Ion	Ratio	Lower	Upper
149	100		
91	60.3	50.7	76.1
206	19.8	15.5	23.3

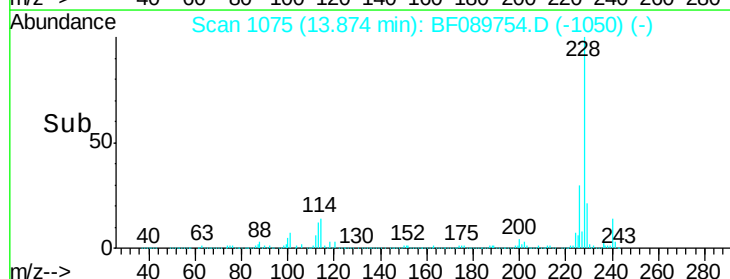
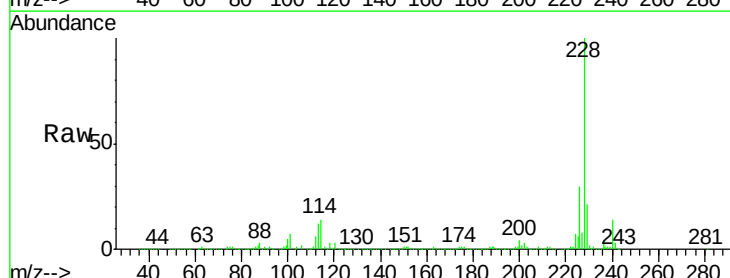
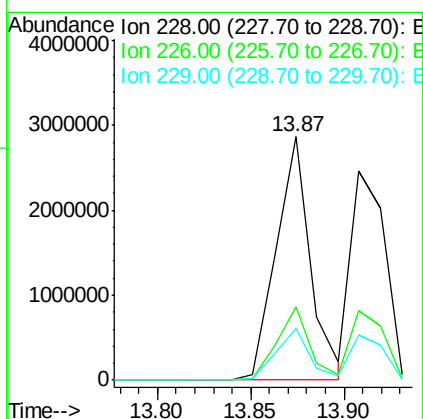
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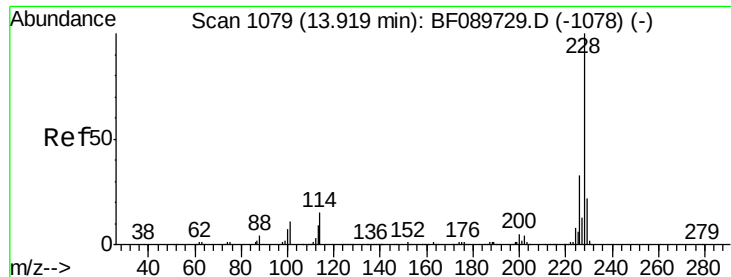
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#80
Benzo(a)anthracene
Concen: 33.59 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.01 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	21.4	16.2	24.4





#82

Chrysene

Concen: 32.64 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

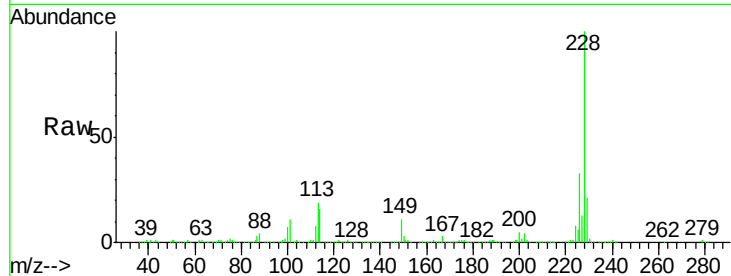
ClientSampled :

9536DL

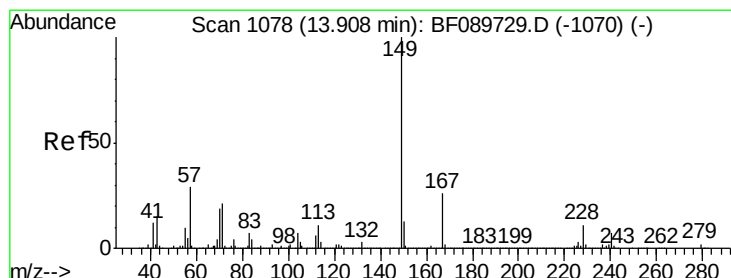
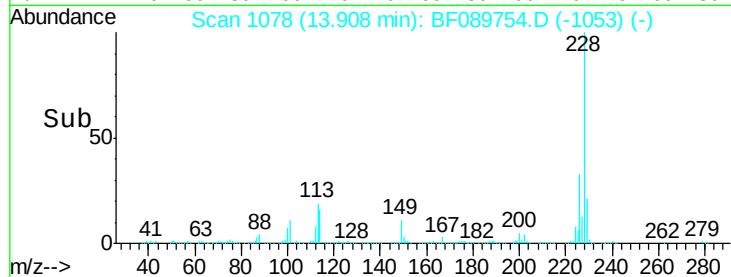
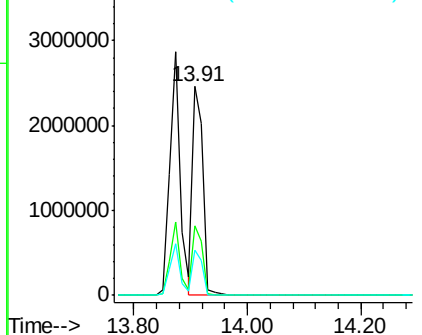
Tot Ion:	228	Resp:	3183251
Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.4	38.0
229	21.4	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.60 ng

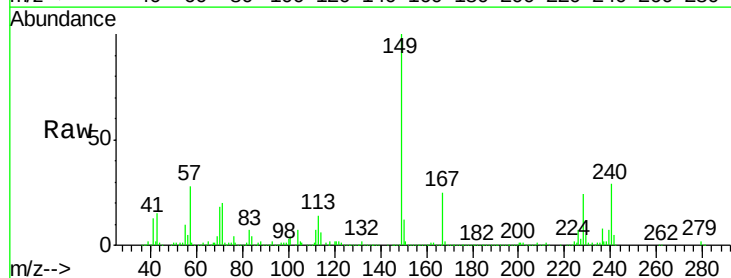
RT: 13.90 min Scan# 1077

Delta R.T. -0.01 min

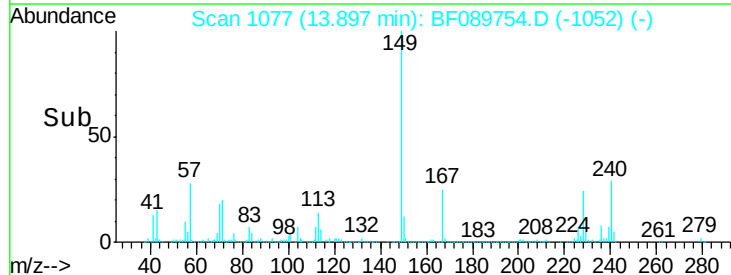
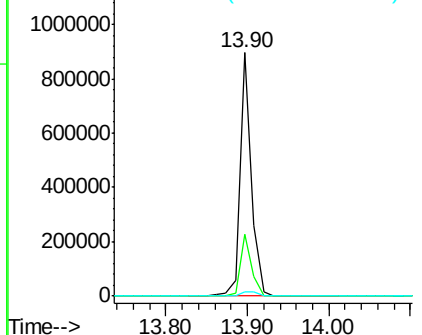
Lab File: BF089754.D

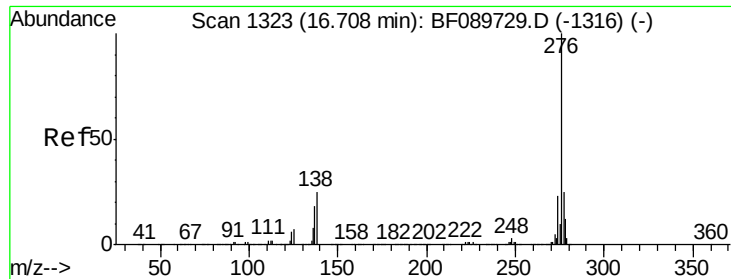
Acq: 17 Aug 2016 10:26

Tgt Ion:	149	Resp:	859208
Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.2	31.8
279	1.9	2.9	4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





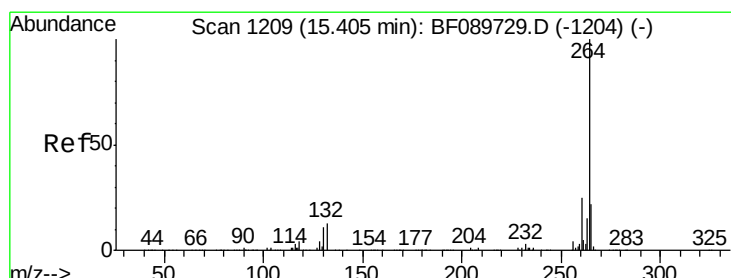
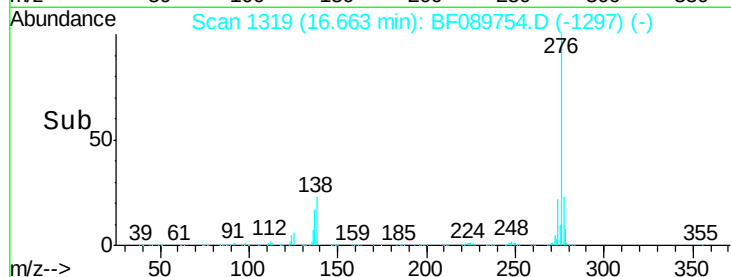
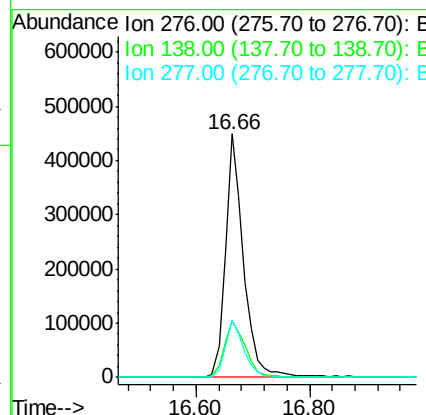
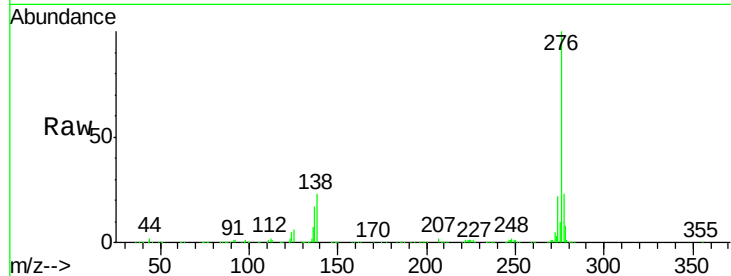
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.00 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.05 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	24.6	36.8
277	24.5	20.4	30.6

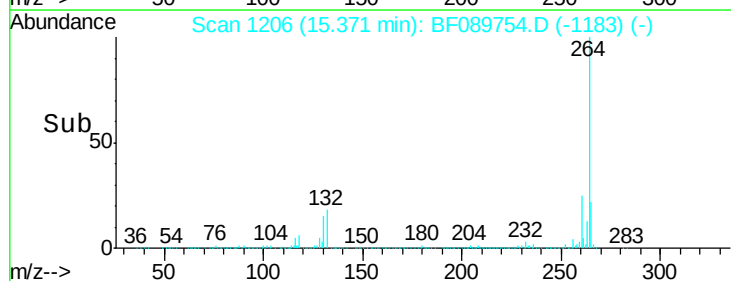
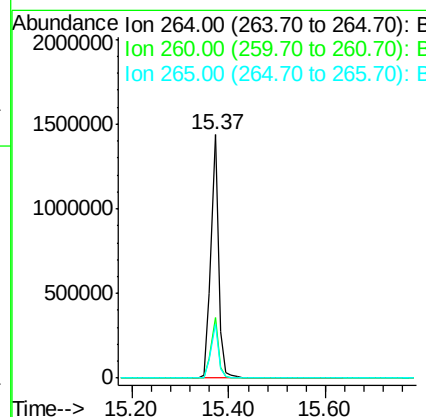
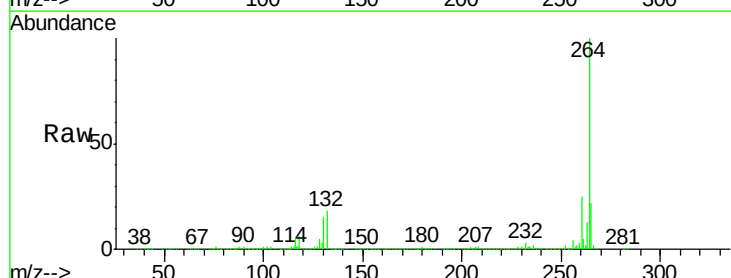
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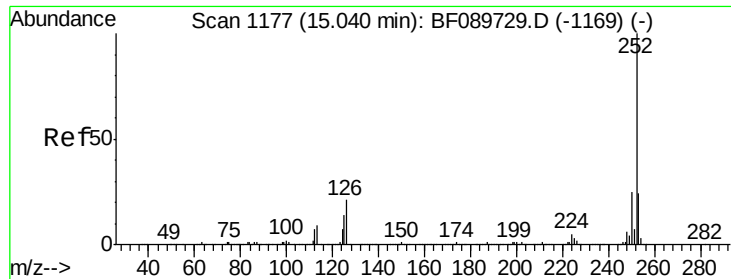
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.03 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	22.3	17.4	26.2





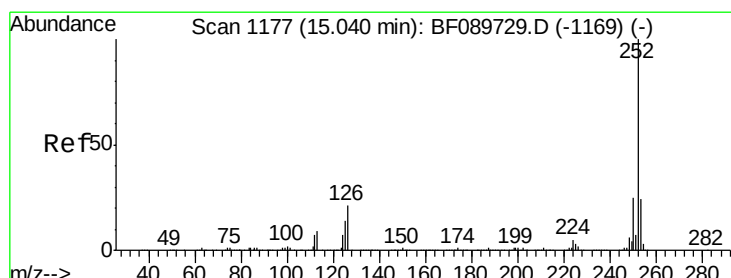
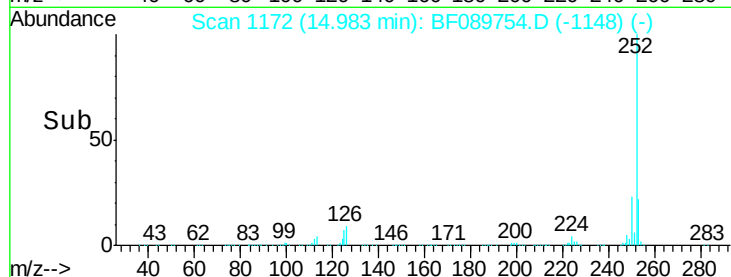
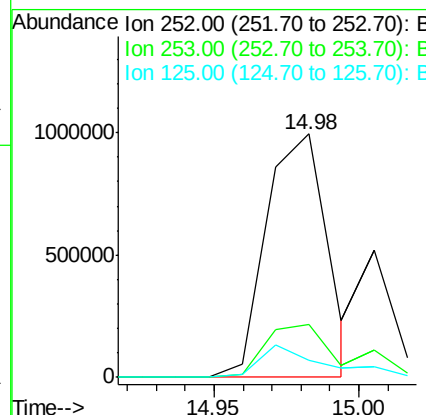
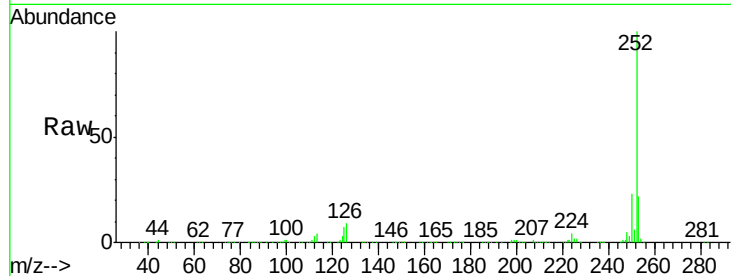
#87
Benzo(b)fluoranthene
Concen: 14.53 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampled :
9536DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	11.4	17.2

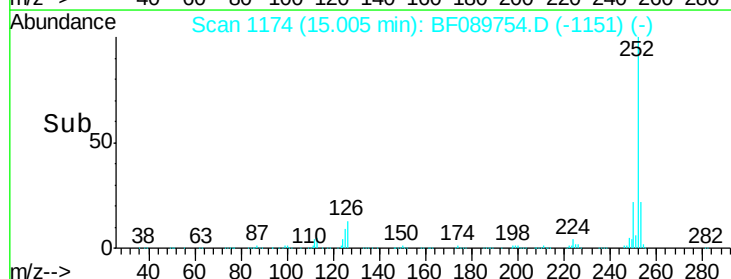
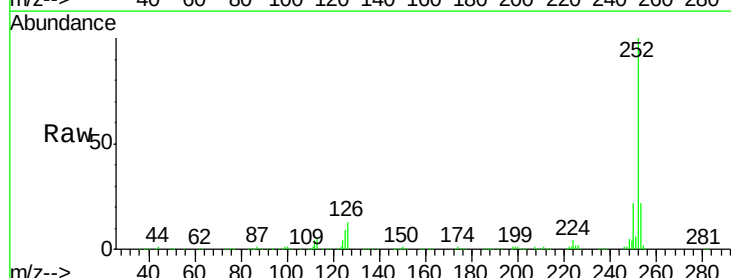
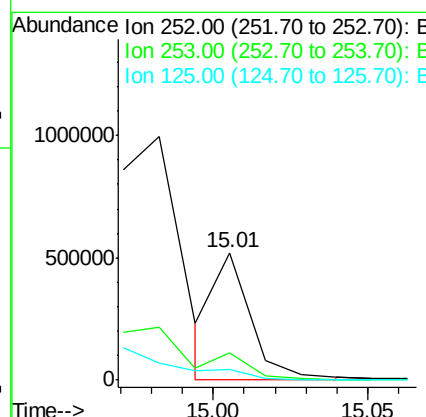
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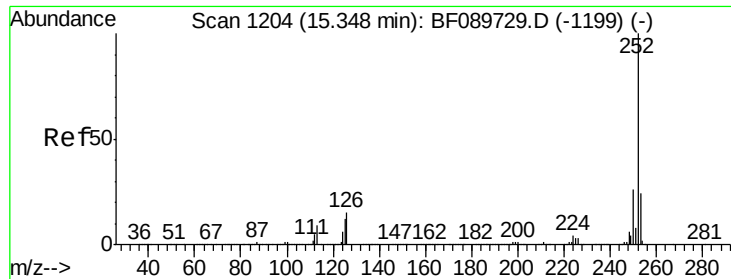
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#88
Benzo(k)fluoranthene
Concen: 5.25 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	8.7	9.8	14.6





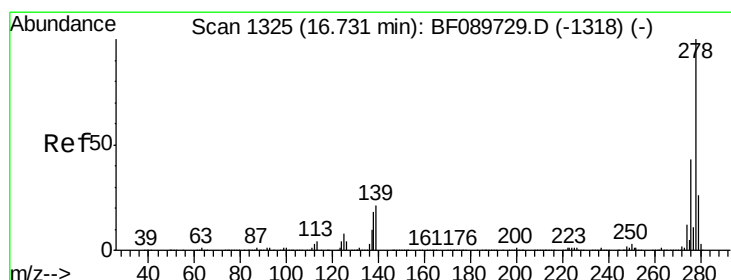
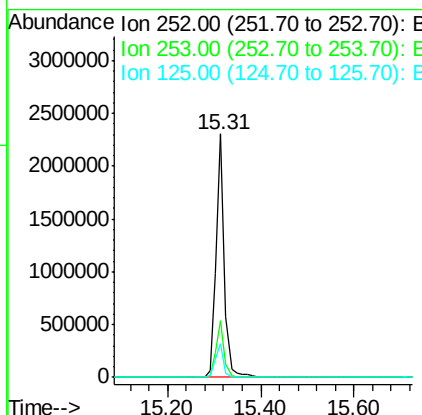
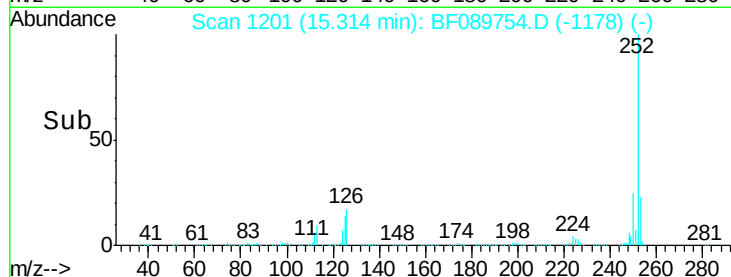
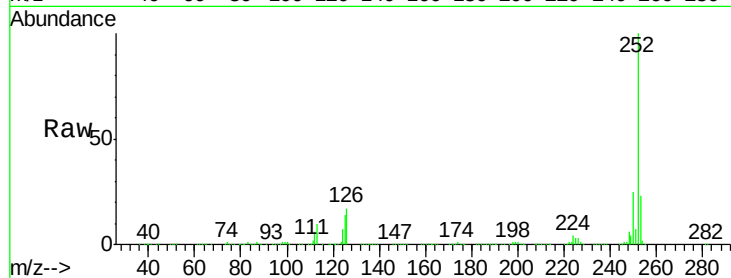
#89
Benzo(a)pyrene
Concen: 34.11 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampleId :
9536DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.6	11.7	17.5

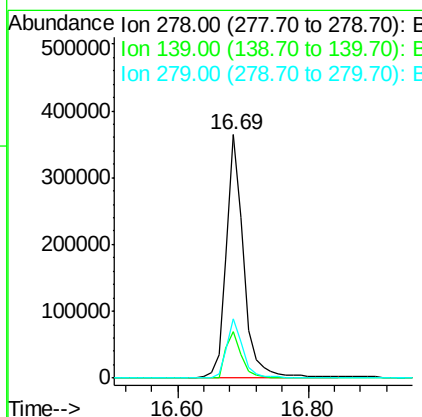
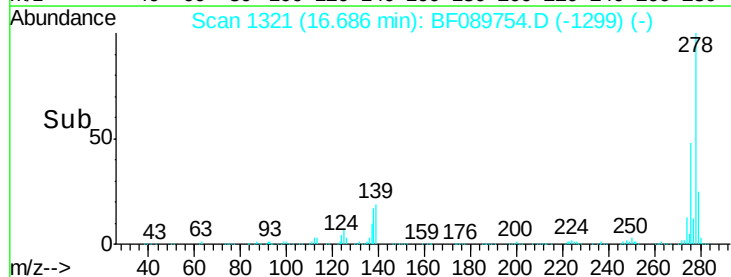
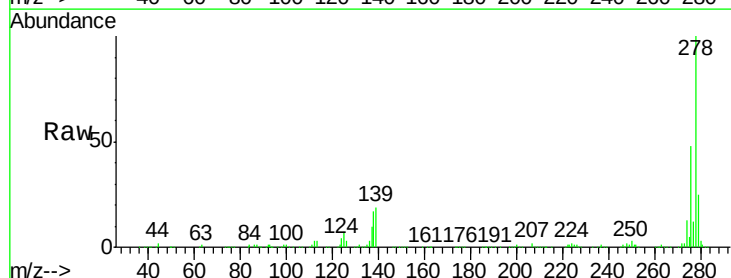
Manual Integrations
APPROVED

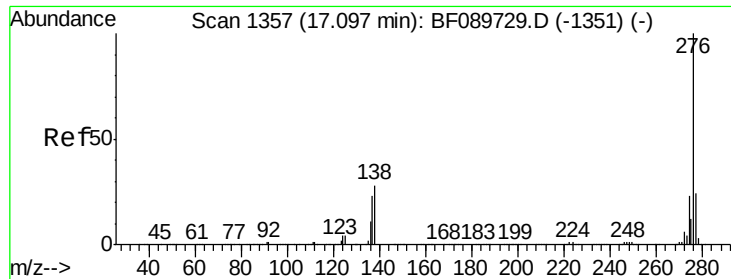
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#90
Dibenzo(a,h)anthracene
Concen: 10.23 ng
RT: 16.69 min Scan# 1321
Delta R.T. -0.05 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.9	22.3
279	24.6	19.2	28.8





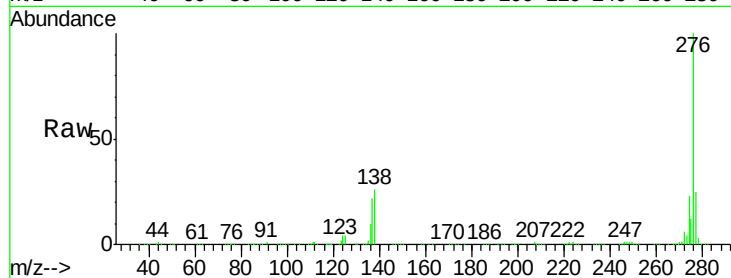
#91
 Benzo(a,h,i)perylene
 Concen: 19.20 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. -0.05 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	26.4	22.1	33.1

Manual Integrations
 APPROVED

sohil
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

