

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
 Data File : BF089756.D
 Acq On : 17 Aug 2016 11:18
 Operator : UM/SJ
 Sample : H4145-18DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 9524DL

Manual Integrations
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Quant Time: Aug 17 11:54:40 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	641051m	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2751685	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1286630	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2210629	20.00	ng	0.00
75) Chrysene-d12	13.91	240	1926334	20.00	ng	0.01
86) Perylene-d12	15.43	264	1617545	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	426933	11.11	ng	-0.01
7) Phenol-d6	6.32	99	576735	11.80	ng	-0.01
23) Nitrobenzene-d5	7.26	82	343874	7.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	257385	20.68	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	925702	11.54	ng	-0.01
78) Terphenyl-d14	12.80	244	1150274	17.84	ng	-0.01

Target Compounds

						Qvalue
8) 2-Chlorophenol	6.48	128	166767	3.65	ng	# 79
10) Phenol	6.33	94	677339	11.14	ng	84
11) bis(2-Chloroethyl)ether	6.43	93	279258	6.20	ng	97
12) 1,3-Dichlorobenzene	6.64	146	171441	3.51	ng	# 94
17) 2-Methylphenol	6.96	107	365203	10.06	ng	94
19) n-Nitroso-di-n-propylamine	7.12	70	775705m	24.24	ng	
20) 3+4-Methylphenols	7.11	107	602041	12.95	ng	# 46
25) Isophorone	7.52	82	1449984	16.08	ng	98
26) 2-Nitrophenol	7.60	139	298728	12.52	ng	# 76
29) 2,4-Dichlorophenol	7.84	162	692037	18.39	ng	94
30) 1,2,4-Trichlorobenzene	7.93	180	858102	21.24	ng	97
31) Naphthalene	8.01	128	1220376	9.88	ng	98
34) Hexachlorobutadiene	8.14	225	295297	13.91	ng	99
36) 4-Chloro-3-methylphenol	8.54	107	254710	6.22	ng	96
37) 2-Methylnaphthalene	8.70	142	968678	11.52	ng	97
43) 2,4,5-Trichlorophenol	9.00	196	452639	17.77	ng	# 90
46) 2-Chloronaphthalene	9.18	162	374733	4.69	ng	97
48) Acenaphthylene	9.60	152	916819	7.46	ng	97
50) 2,6-Dinitrotoluene	9.52	165	347715	16.50	ng	# 76
54) Dibenzofuran	9.94	168	3911258	38.32	ng	99
55) 4-Nitrophenol	9.84	139	199696	10.60	ng	# 77
56) 2,4-Dinitrotoluene	9.92	165	216508	7.99	ng	# 83
57) Fluorene	10.28	166	2124697	25.76	ng	99
59) Diethylphthalate	10.17	149	3386746	35.88	ng	96
60) 4-Chlorophenyl-phenylether	10.28	204	1309314	32.34	ng	98
66) 4-Bromophenyl-phenylether	10.76	248	241854	10.56	ng	# 65
67) Hexachlorobenzene	10.83	284	1229328	48.30	ng	98
69) Pentachlorophenol	11.02	266	96511	6.09	ng	95
71) Anthracene	11.29	178	1250530	11.01	ng	96
73) Di-n-butylphthalate	11.79	149	2202231	16.83	ng	100
74) Fluoranthene	12.42	202	1311898	12.02	ng	95
77) Pyrene	12.65	202	3892410	30.88	ng	95
80) Benzo(a)anthracene	13.90	228	3185351	28.46	ng	98
82) Chrysene	13.93	228	1579980	15.69	ng	100

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.73	276	713819m	8.32	nq	
87) Benzo(b)fluoranthene	15.04	252	2596385	25.33	nq	# 94
88) Benzo(k)fluoranthene	15.06	252	2182338m	25.87	nq	
89) Benzo(a)pyrene	15.37	252	1045548	12.36	nq	98
90) Dibenzo(a,h)anthracene	16.77	278	2371565	35.59	nq	97
91) Benzo(a,h,i)perylene	17.13	276	1593060	23.49	nq	95

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

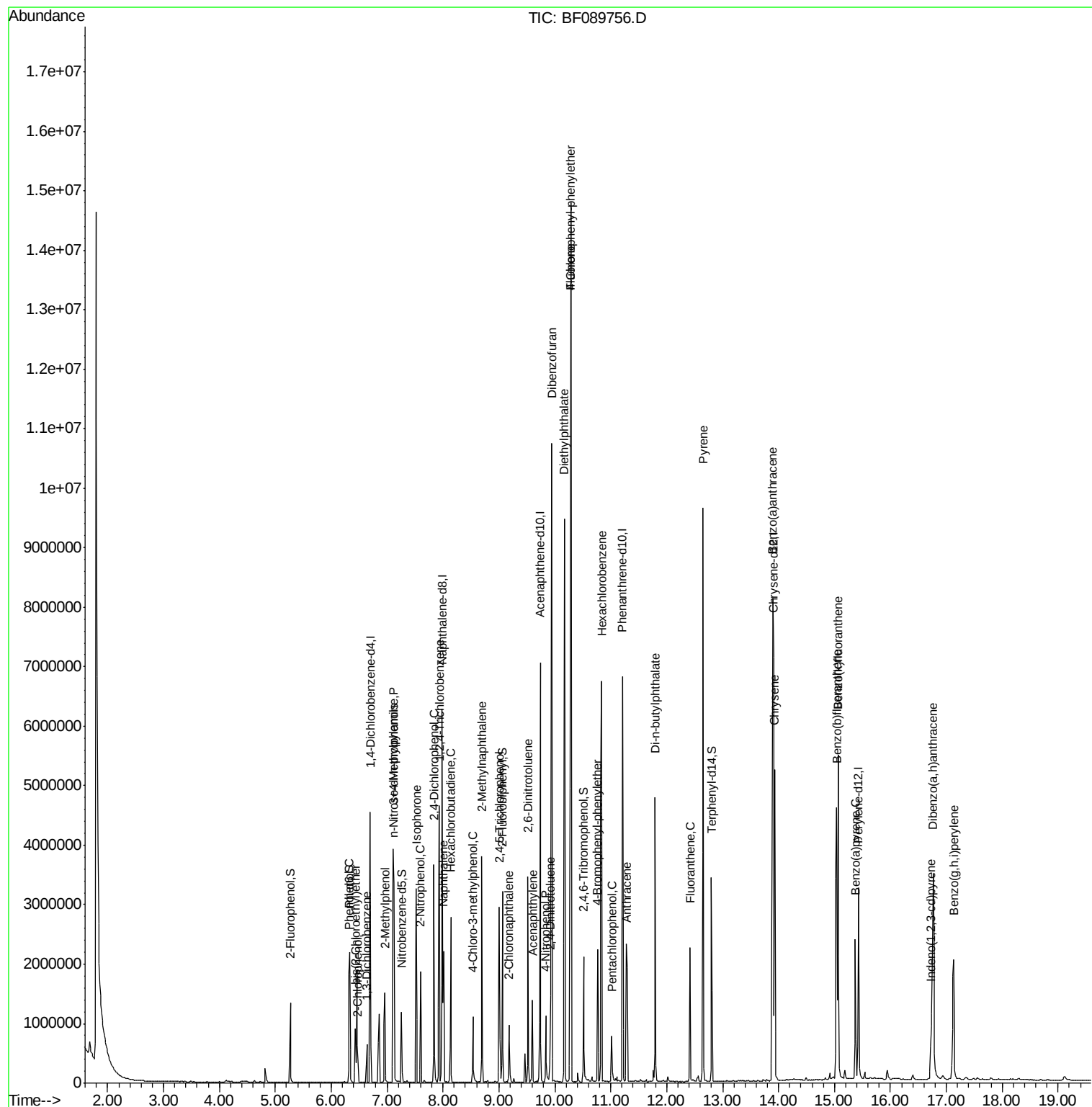
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
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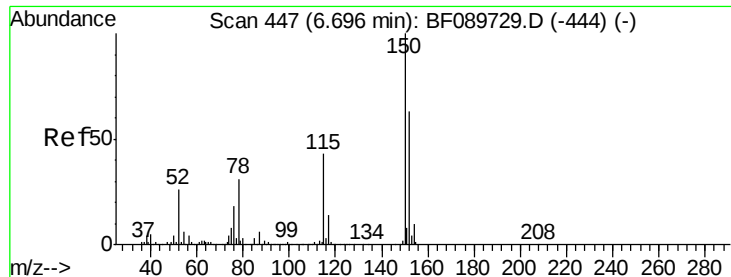
Instrument :
BNA_F
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9524DL

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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: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

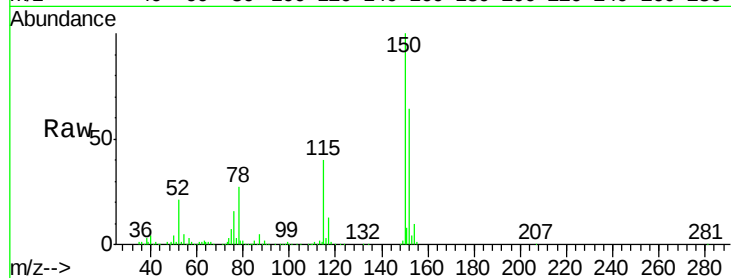
ClientSampleID :

9524DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.3	187.9
115	63.5	40.9	61.3

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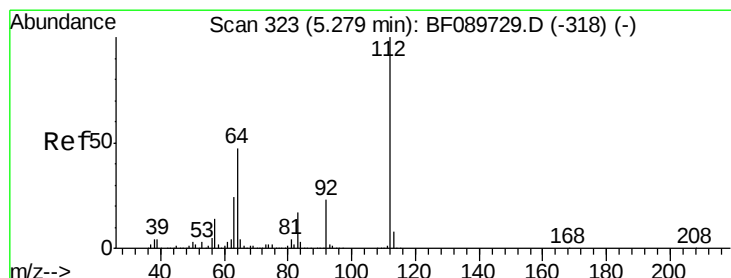
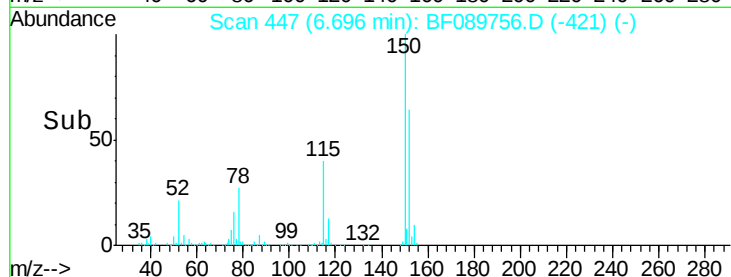
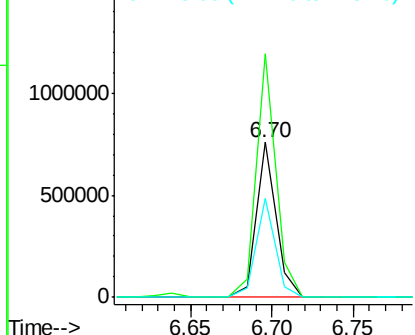


Abundance

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: 11.11 ng

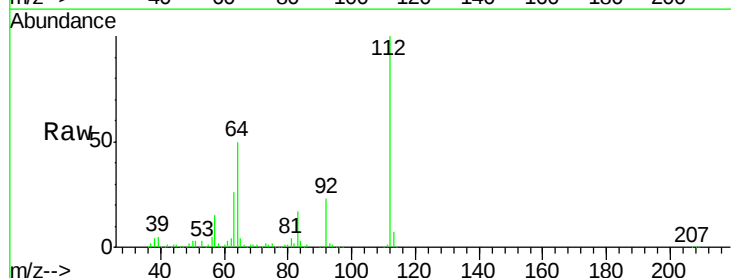
RT: 5.27 min Scan# 322

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	45.0	67.4
63	26.4	23.1	34.7

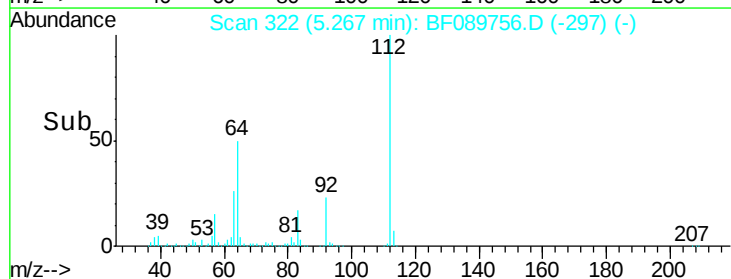
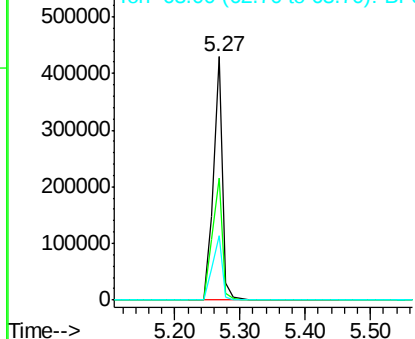


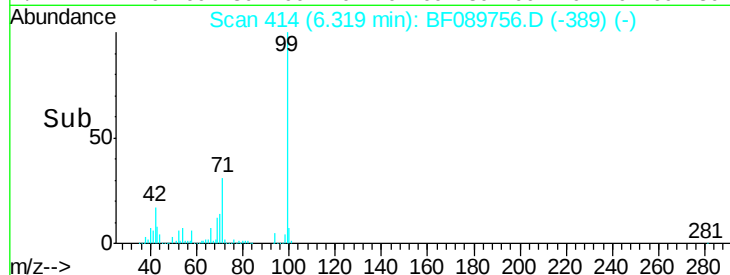
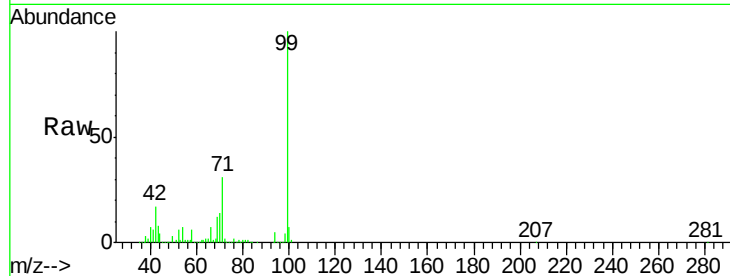
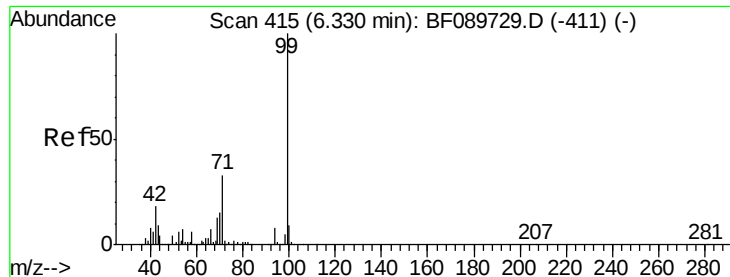
Abundance

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: 11.80 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tot Ion:	99	Resp:	576735
Ion Ratio	Lower	Upper	
99	100		
42	17.0	12.2	18.4
71	31.1	23.8	35.8

Instrument :

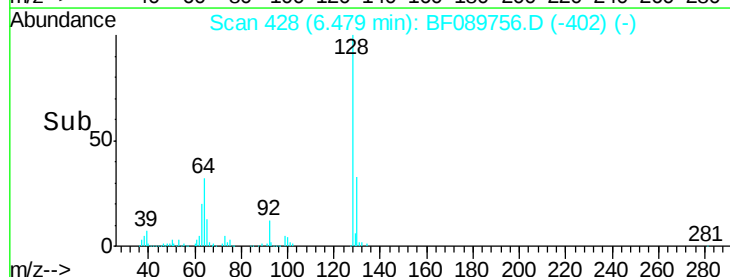
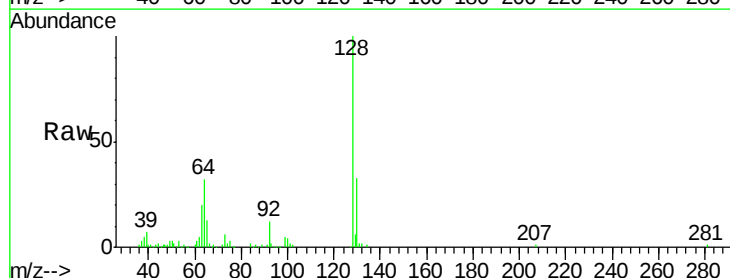
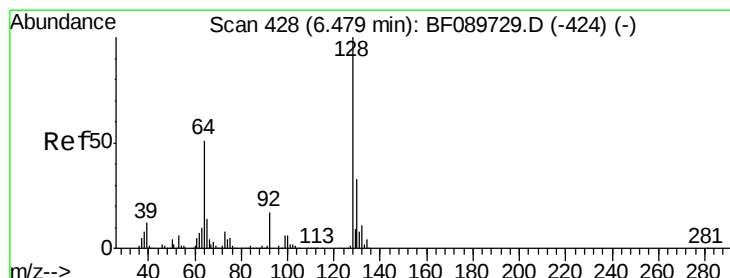
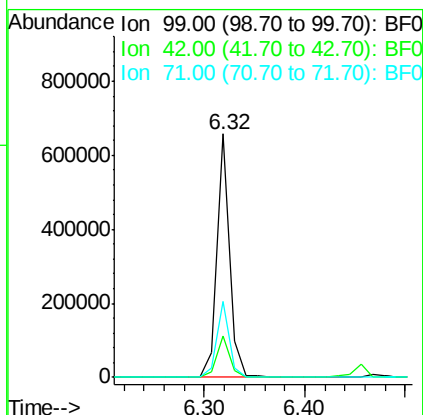
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ClientSampled :

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#8

2-Chlorophenol

Concen: 3.65 ng

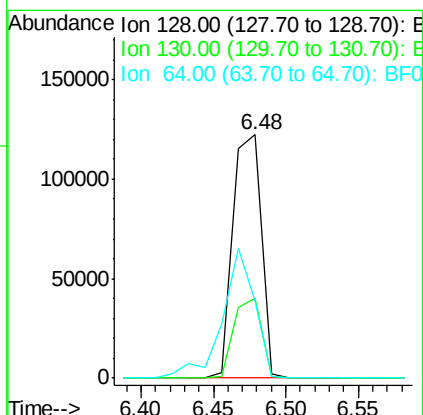
RT: 6.48 min Scan# 428

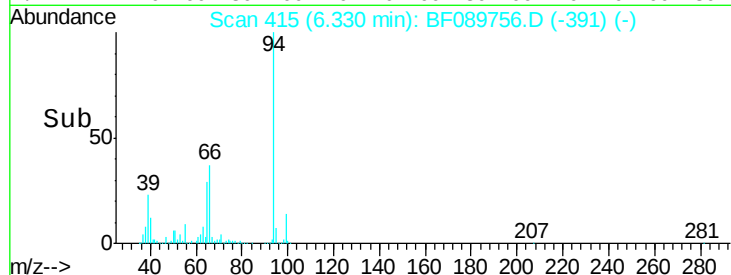
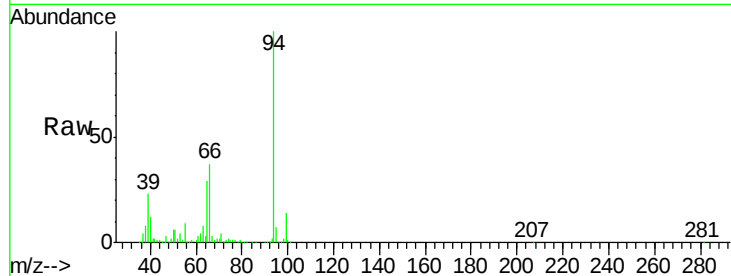
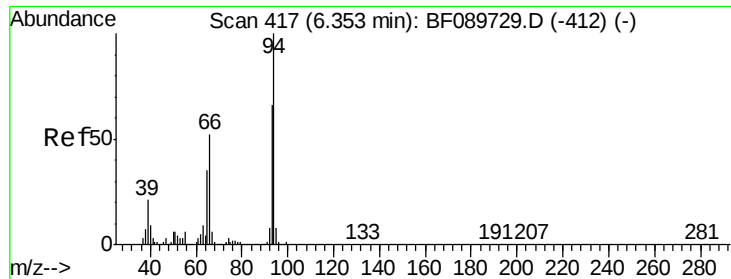
Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:	128	Resp:	166767
Ion Ratio	Lower	Upper	
128	100		
130	33.0	12.0	52.0
64	31.8	35.1	75.1#





#10

Phenol

Concen: 11.14 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tot Ion:	94	Resp:	677339
Ion	Ratio	Lower	Upper
94	100		
65	29.1	14.0	54.0
66	37.0	31.2	71.2

Instrument :

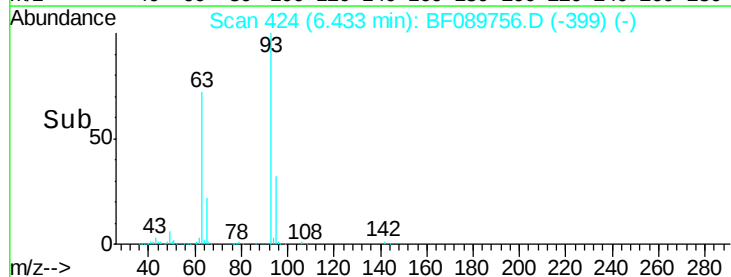
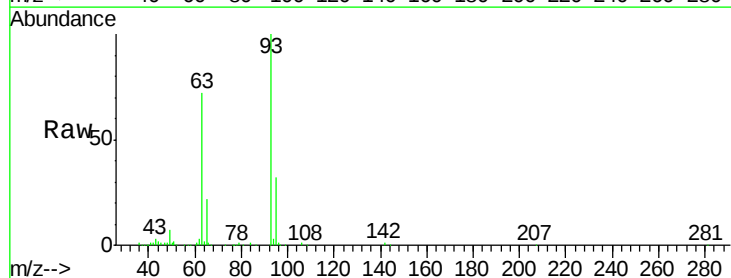
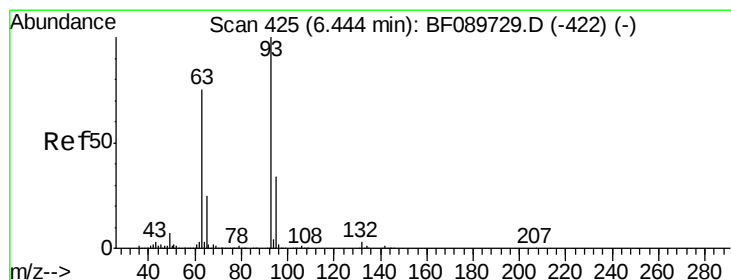
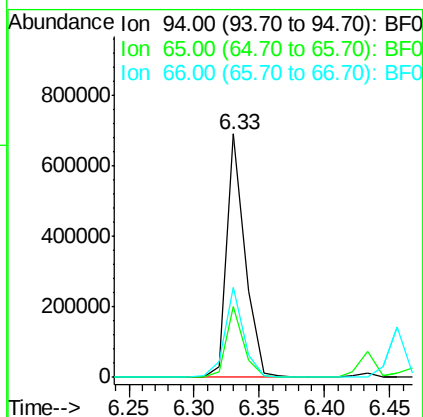
BNA_F

ClientSampleId :

9524DL

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#11

bis(2-Chloroethyl)ether

Concen: 6.20 ng

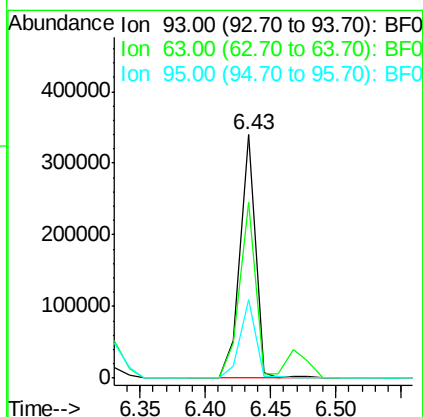
RT: 6.43 min Scan# 424

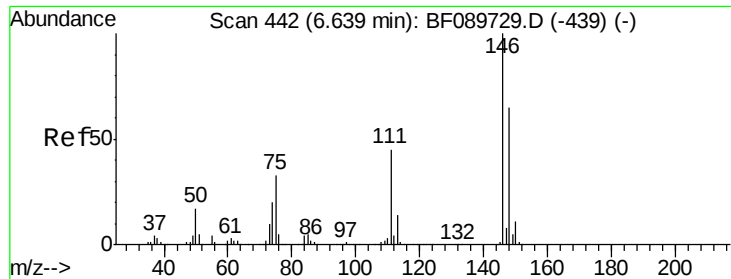
Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:	93	Resp:	279258
Ion	Ratio	Lower	Upper
93	100		
63	72.3	55.8	95.8
95	32.4	13.0	53.0





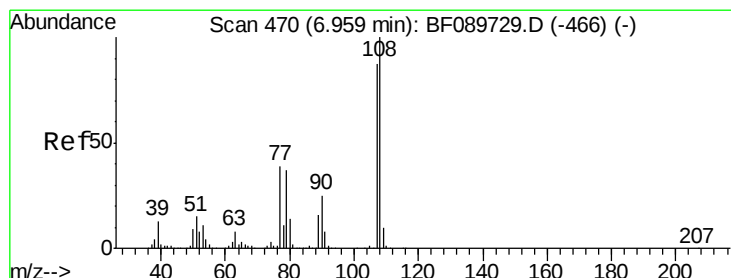
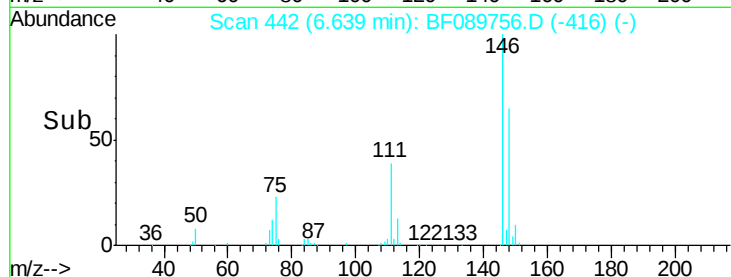
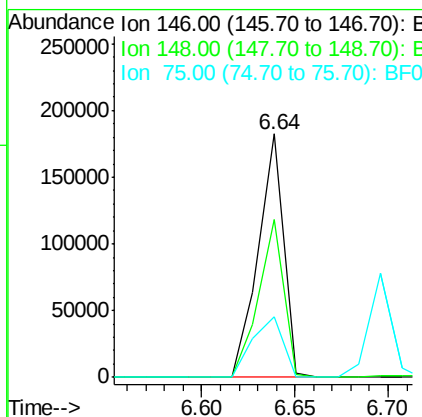
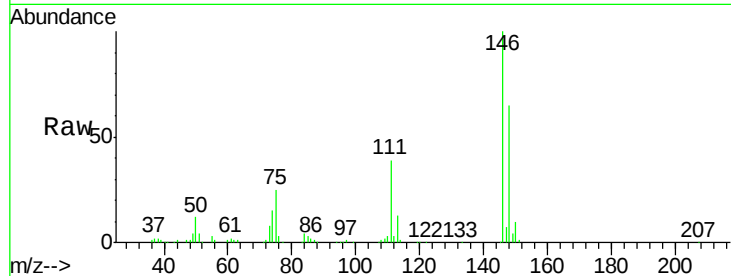
#12
 1,3-Dichlorobenzene
 Concen: 3.51 ng
 RT: 6.64 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Instrument :
 BNA_F
 ClientSampled :
 9524DL

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171441		
148	64.7	51.0	76.4	
75	24.8	27.0	40.6	

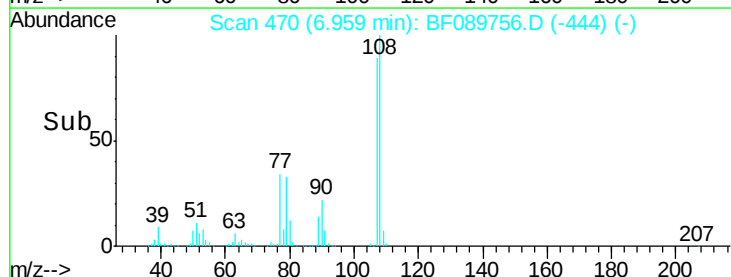
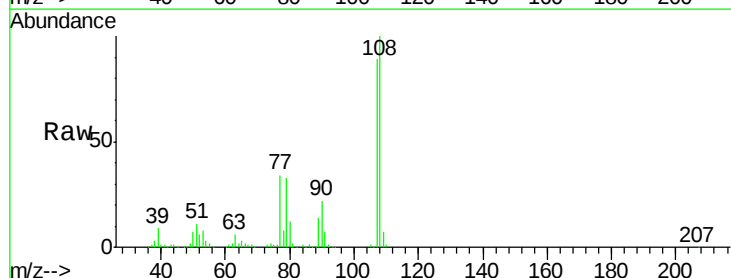
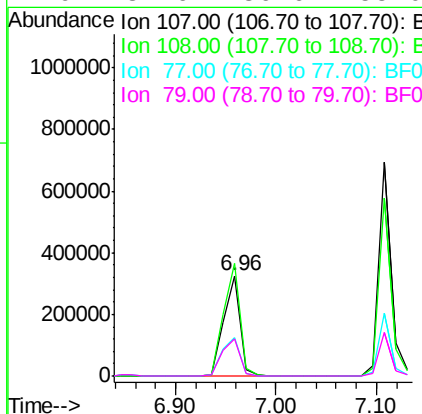
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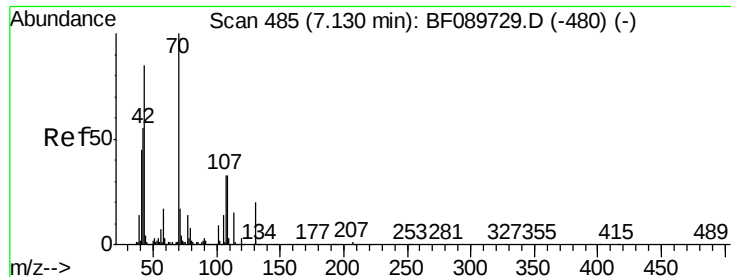
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#17
 2-Methylphenol
 Concen: 10.06 ng
 RT: 6.96 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	365203		
108	112.8	91.0	136.4	
77	38.8	37.4	56.0	
79	37.6	36.6	55.0	





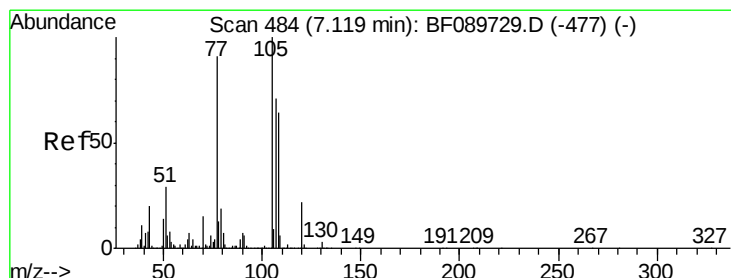
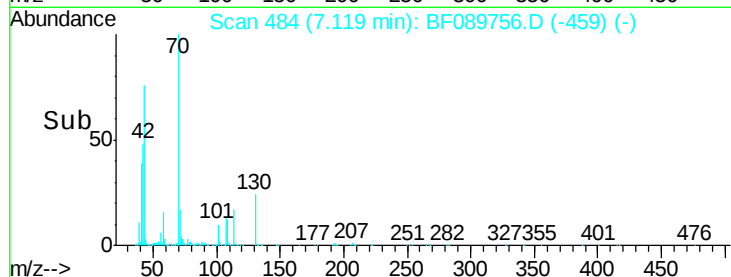
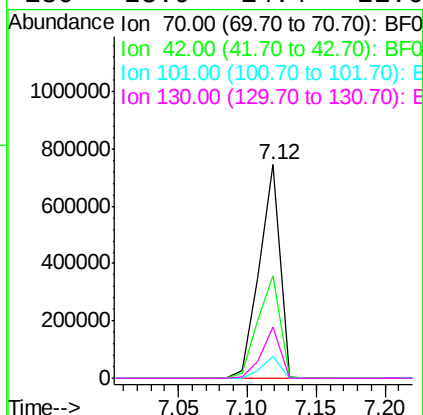
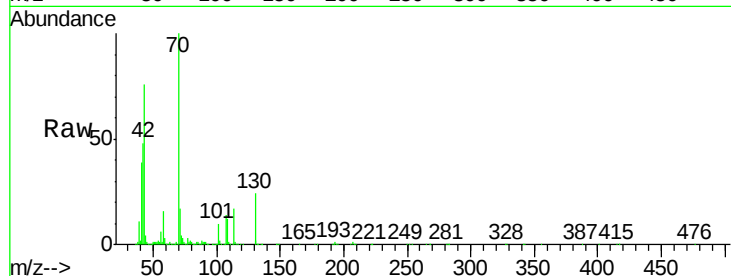
#19
n-Nitroso-di-n-propylamine
Concen: 24.24 ng/ml
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampled :
9524DL

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.9	46.3	69.5
101	10.4	7.0	10.6
130	23.9	14.4	21.6

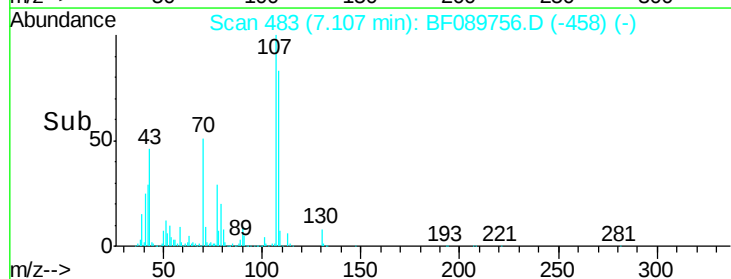
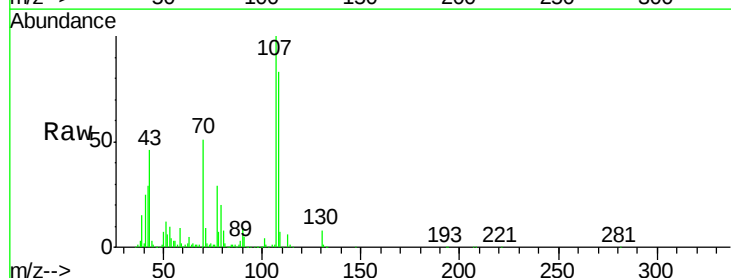
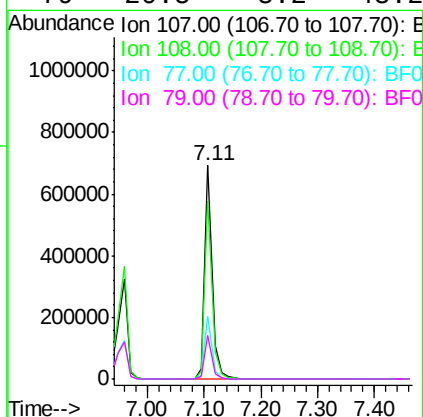
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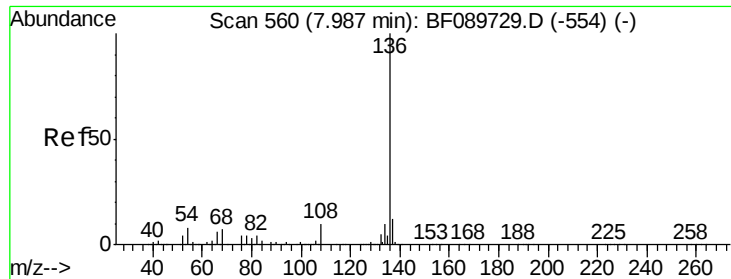
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#20
3+4-Methylphenols
Concen: 12.95 ng/ml
RT: 7.11 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.1	68.2	108.2
77	29.3	122.3	162.3
79	20.5	8.2	48.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleID :

9524DL

Tot Ion:136 Resp: 2751685

Ion Ratio Lower Upper

136 100

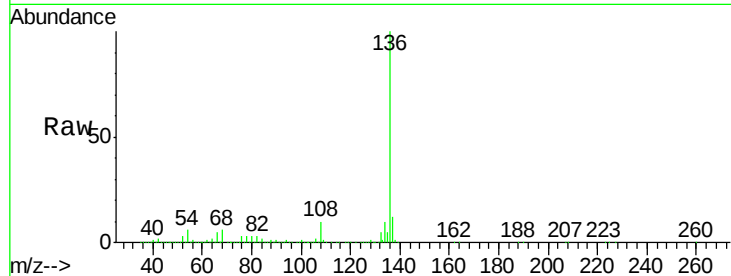
137 12.0 9.2 13.8

54 6.4 7.2 10.8#

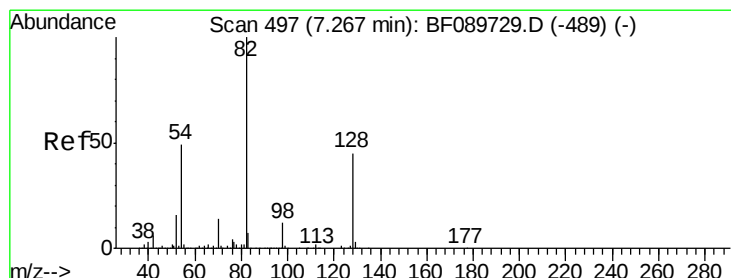
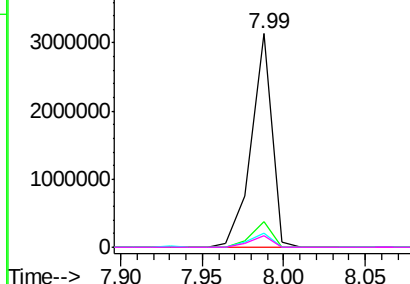
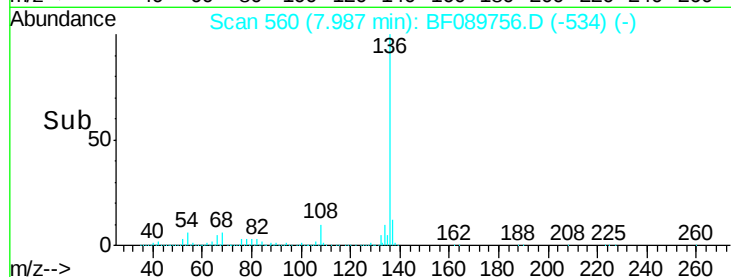
68 5.6 5.8 8.8#

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



#23

Nitrobenzene-d5

Concen: 7.63 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

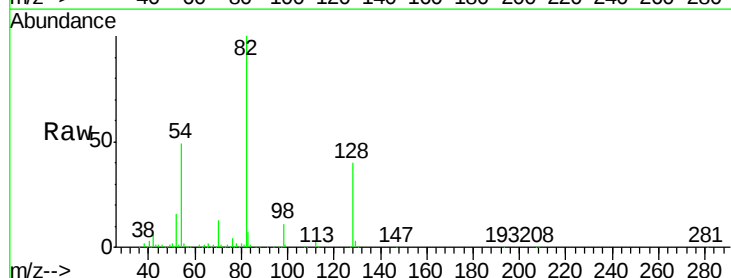
Tgt Ion: 82 Resp: 343874

Ion Ratio Lower Upper

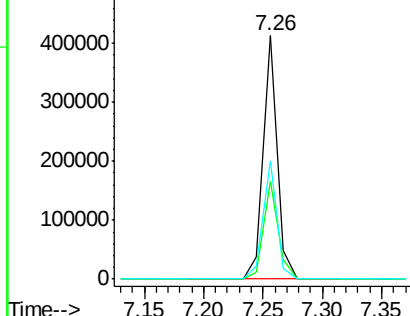
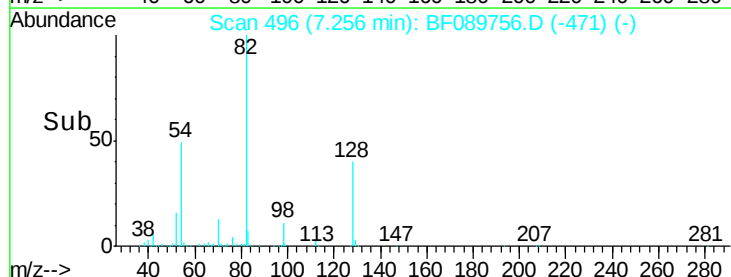
82 100

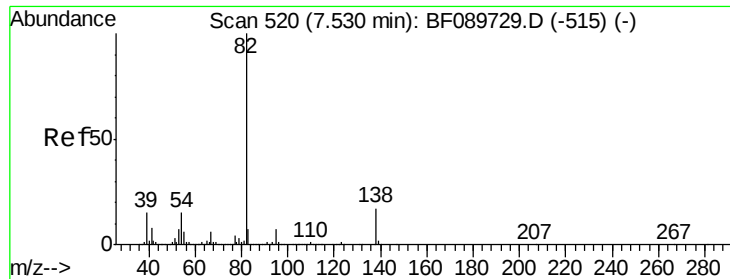
128 40.4 34.4 51.6

54 48.8 40.3 60.5



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





#25

Isophorone

Concen: 16.08 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

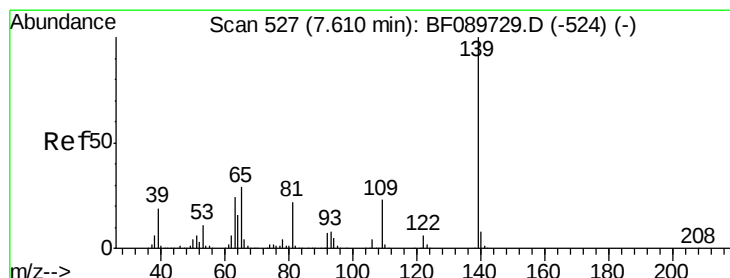
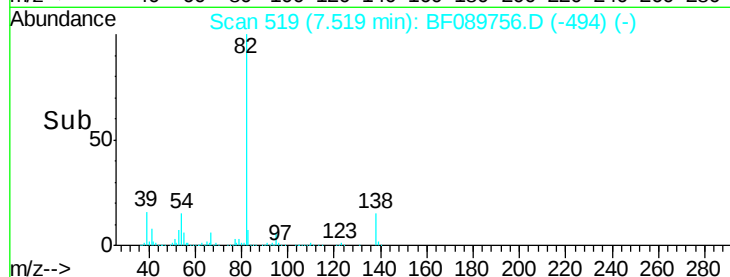
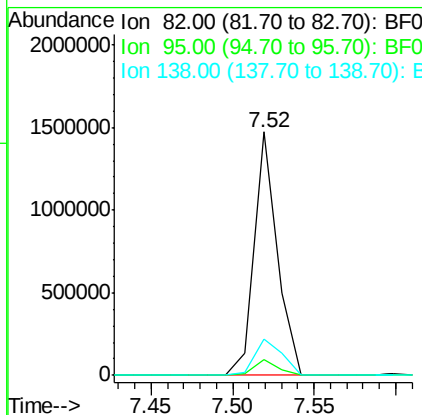
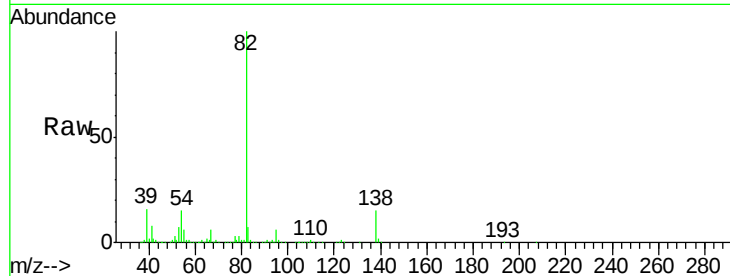
ClientSampleId :

9524DL

Tot Ion:	82	Resp:	1449984
Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.3	7.9
138	15.0	13.0	19.4

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#26

2-Nitrophenol

Concen: 12.52 ng

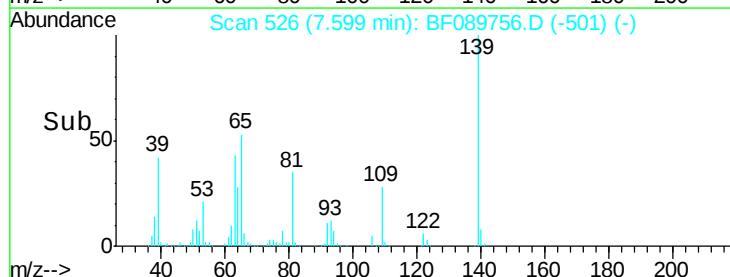
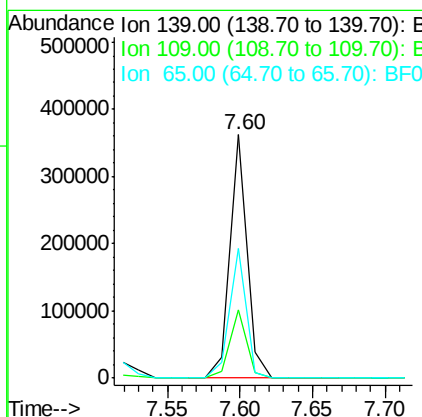
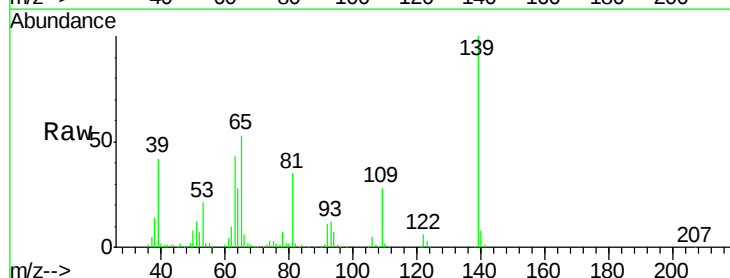
RT: 7.60 min Scan# 526

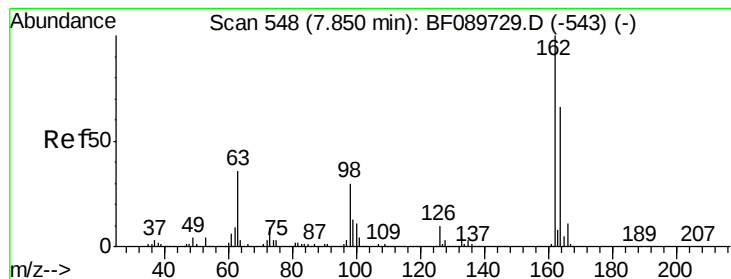
Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:	139	Resp:	298728
Ion	Ratio	Lower	Upper
139	100		
109	28.1	19.5	29.3
65	53.3	26.5	39.7#





#29

2,4-Dichlorophenol

Concen: 18.39 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

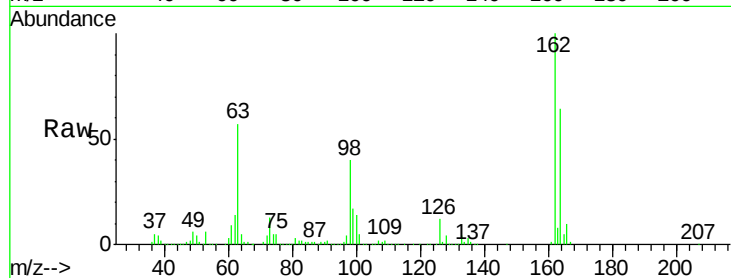
ClientSampled :

9524DL

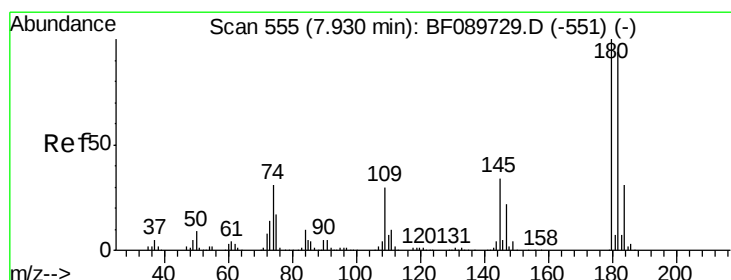
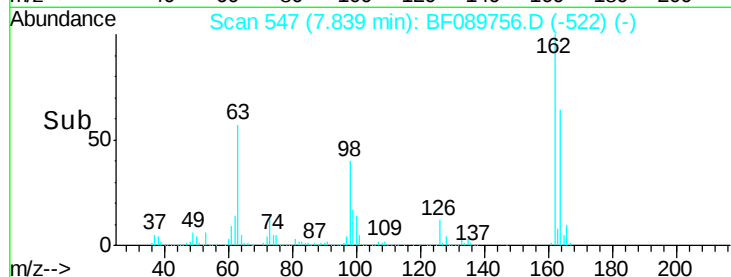
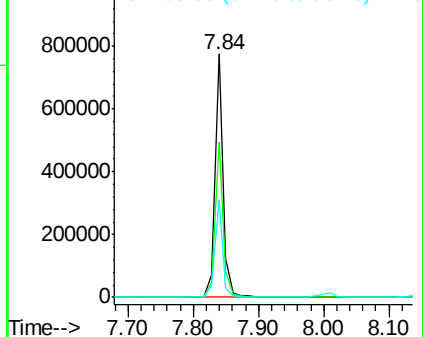
Tot Ion:	162	Resp:	692037
Ion Ratio	Lower	Upper	
162	100		
164	63.9	45.5	85.5
98	39.9	12.4	52.4

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 21.24 ng

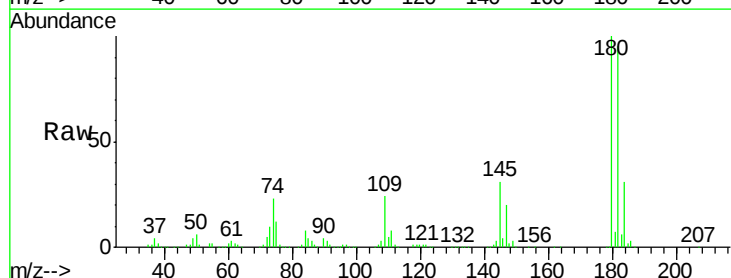
RT: 7.93 min Scan# 555

Delta R.T. 0.00 min

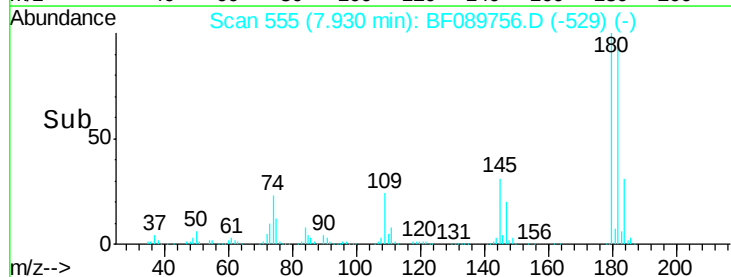
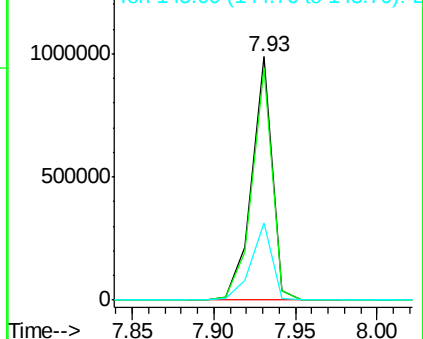
Lab File: BF089756.D

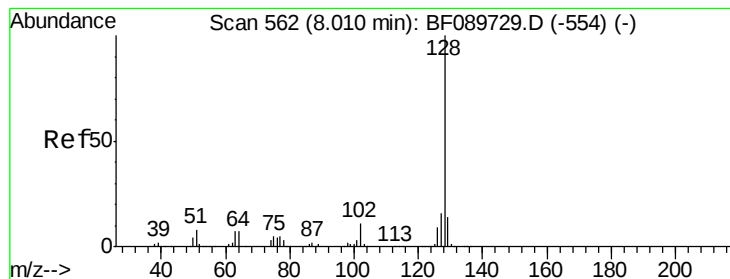
Acq: 17 Aug 2016 11:18

Tgt Ion:	180	Resp:	858102
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.5	113.3
145	31.5	28.7	43.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 9.88 ng

RT: 8.01 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

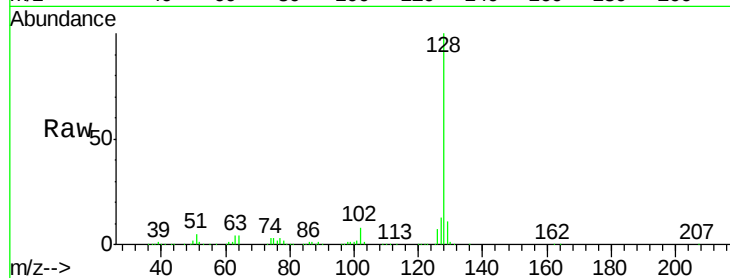
ClientSampleId :

9524DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.5	14.3
127	13.0	11.3	16.9

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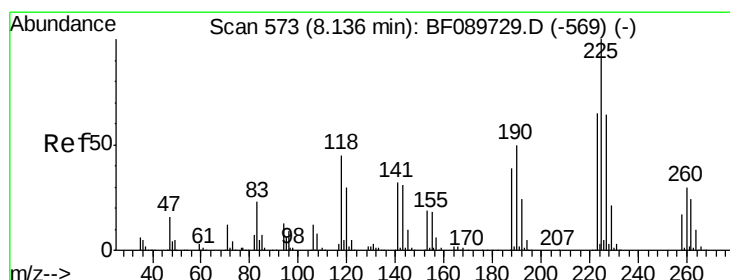
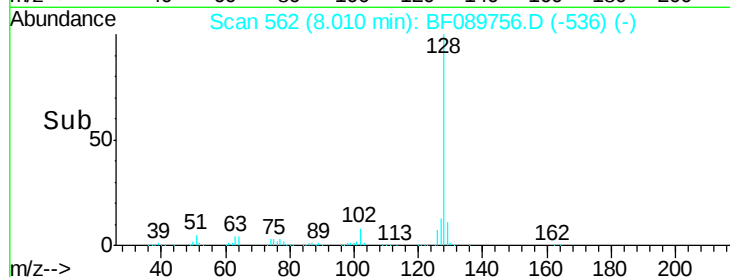
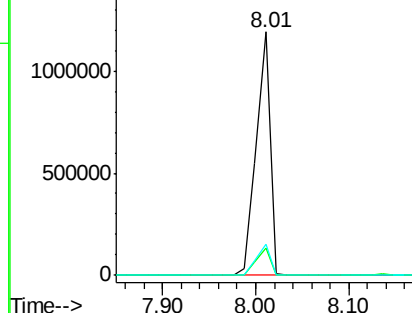


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

Hexachlorobutadiene

Concen: 13.91 ng

RT: 8.14 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

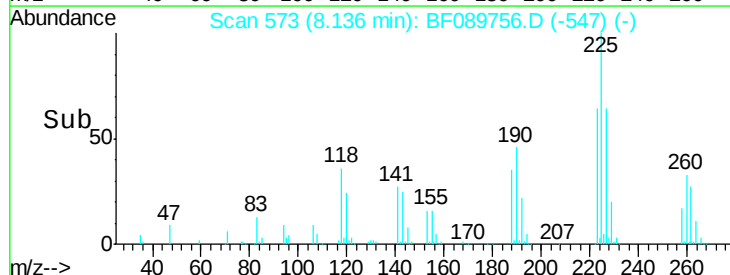
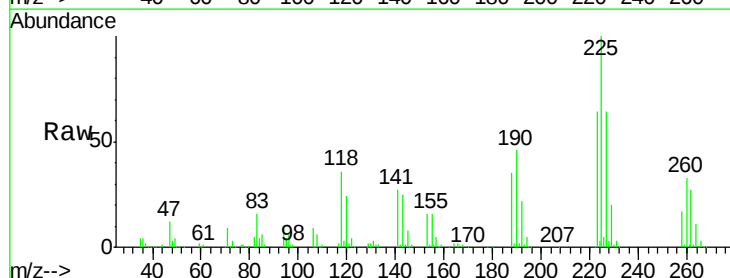
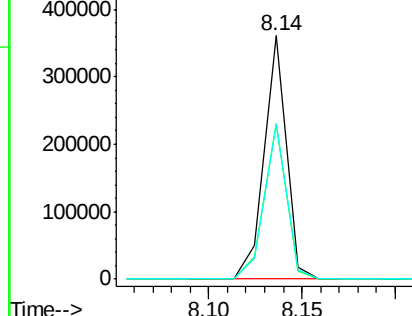
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.0	76.6
227	63.7	49.8	74.6

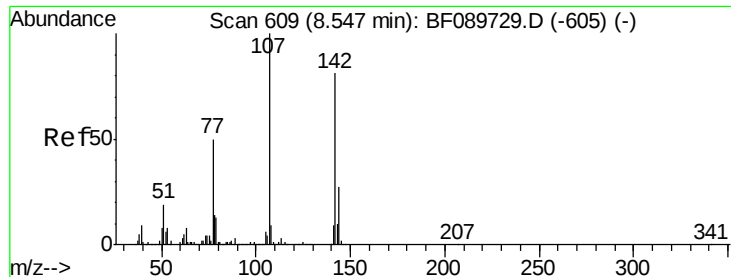
Abundance

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





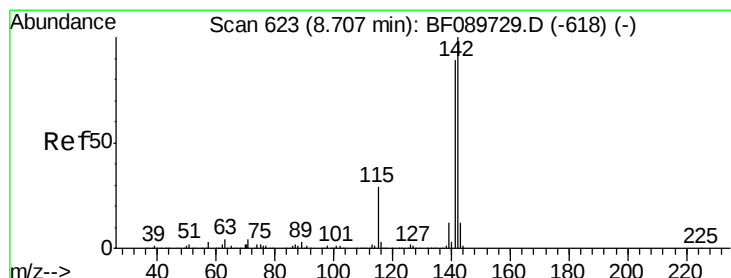
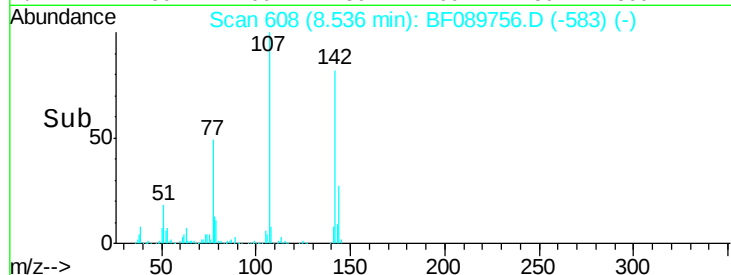
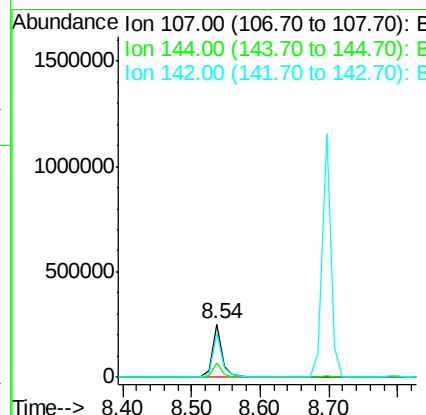
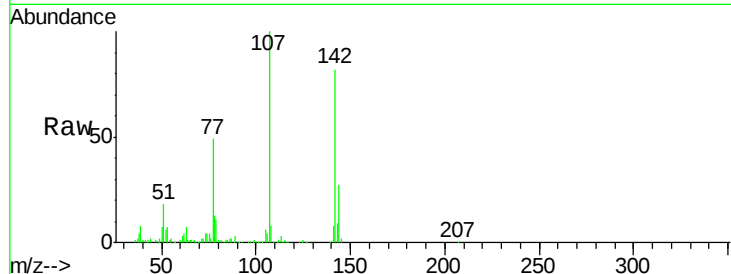
#36
 4-Chloro-3-methylphenol
 Concen: 6.22 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Instrument :
 BNA_F
 ClientSampleID :
 9524DL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	254710		
144	27.1	22.6	34.0	
142	82.3	69.3	103.9	

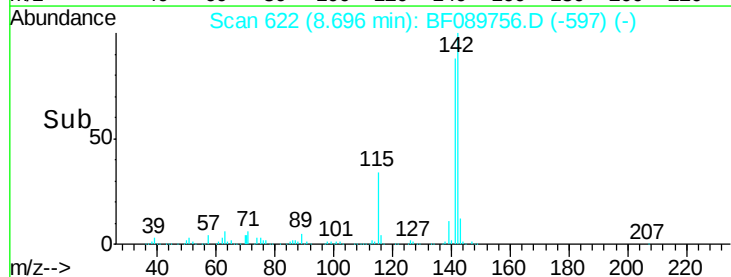
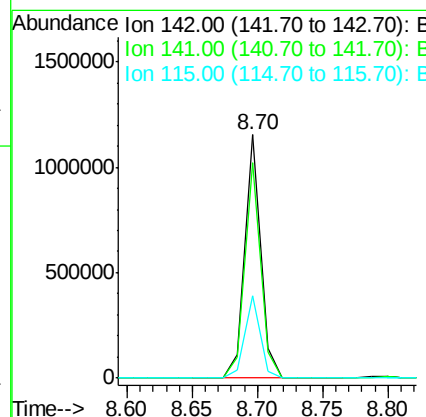
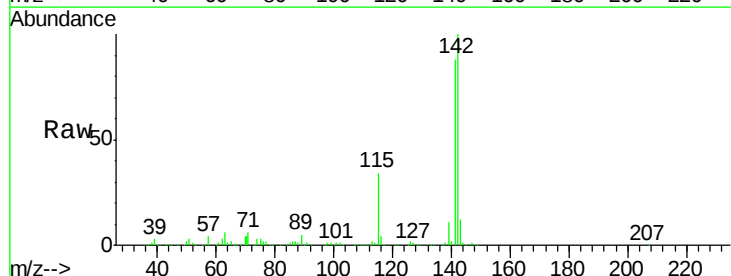
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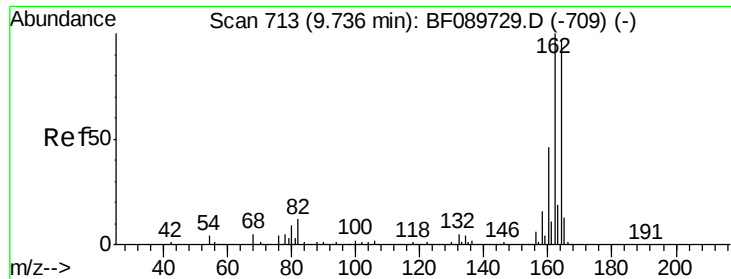
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#37
 2-Methylnaphthalene
 Concen: 11.52 ng
 RT: 8.70 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	968678		
141	88.4	71.4	107.2	
115	33.6	22.7	34.1	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

Tot Ion:164 Resp: 1286630

Ion Ratio Lower Upper

164 100

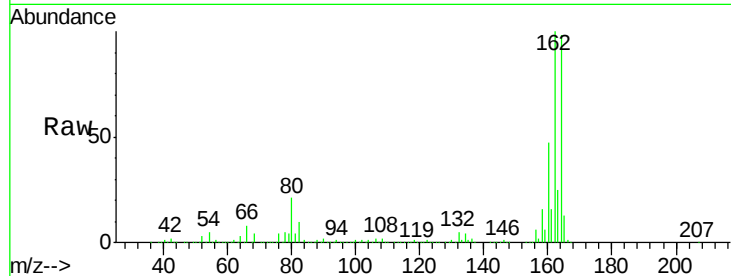
162 101.7 81.4 122.2

160 48.1 37.8 56.6

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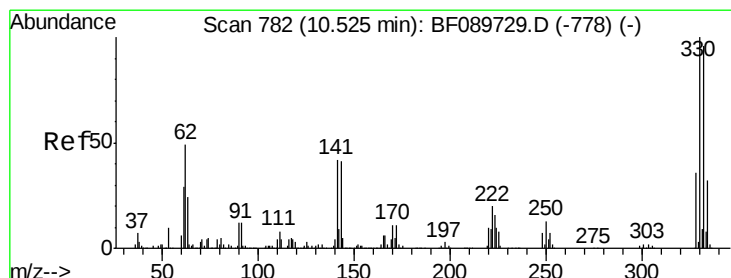
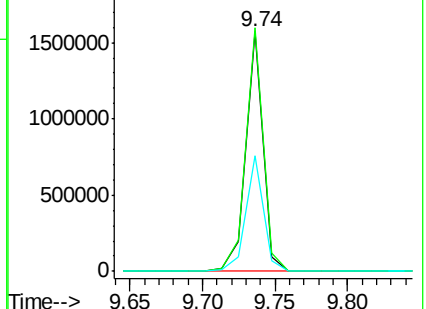
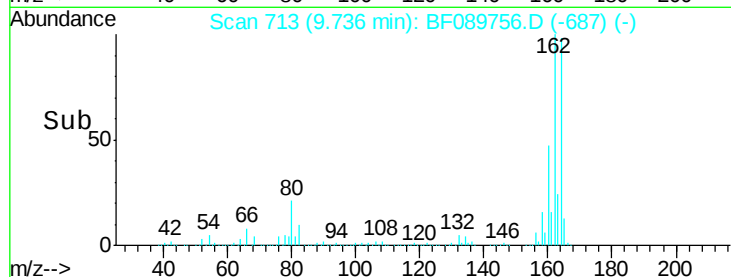
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 20.68 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

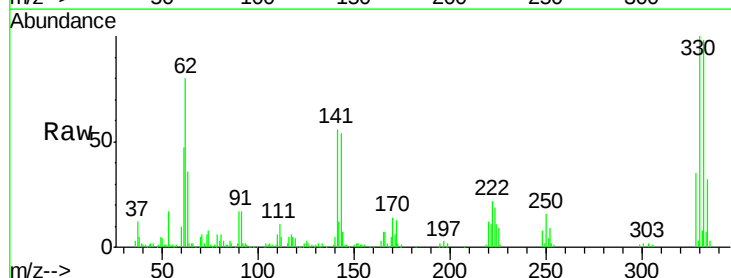
Tgt Ion:330 Resp: 257385

Ion Ratio Lower Upper

330 100

332 98.8 76.7 115.1

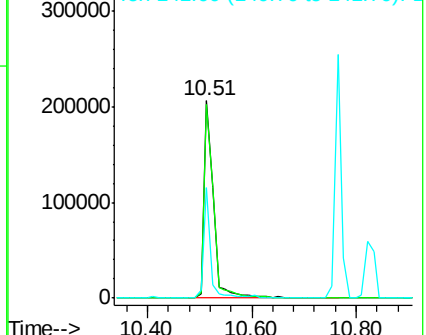
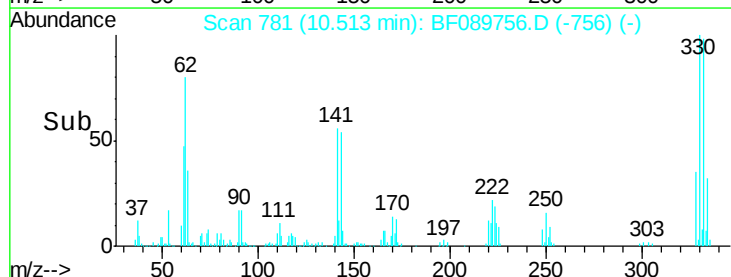
141 40.1 30.2 45.2

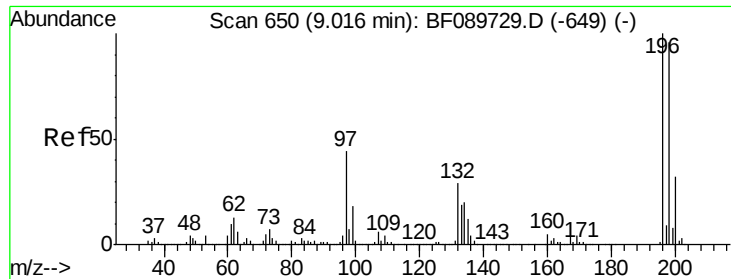


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





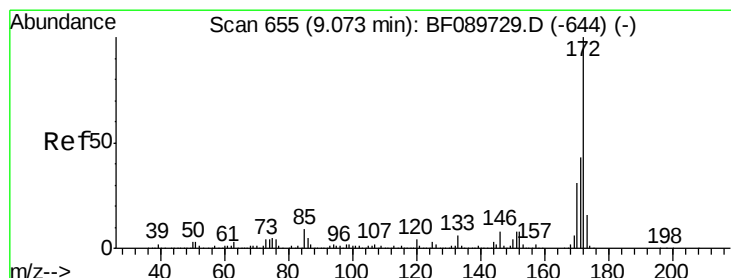
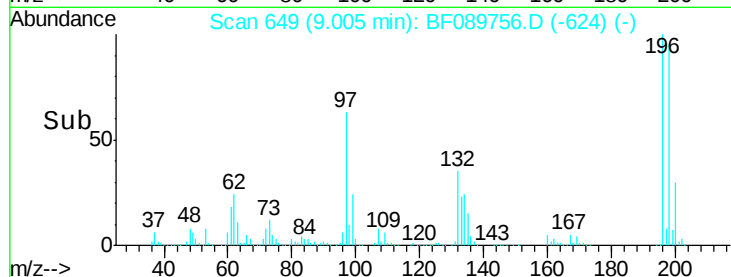
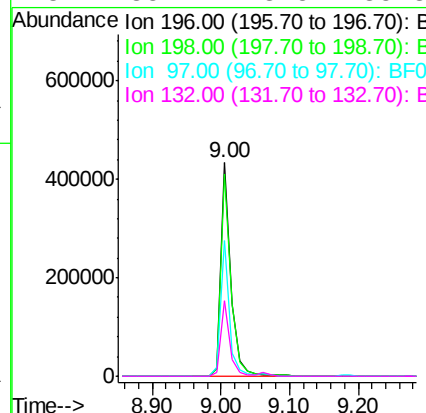
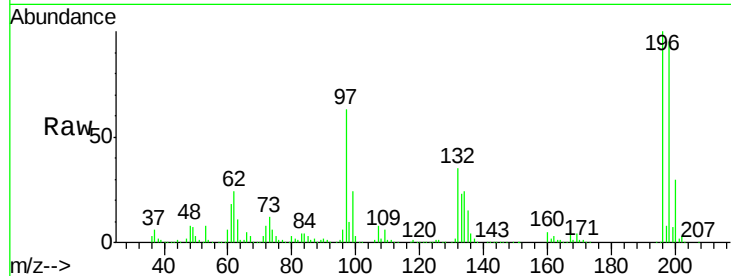
#43
 2,4,5-Trichlorophenol
 Concen: 17.77 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Instrument :
 BNA_F
 ClientSampleId :
 9524DL

Tot Ion	Ratio	Resp	Lower	Upper
196	100	452639		
198	94.8	76.6	114.8	
97	63.3	35.8	53.8	
132	35.2	23.5	35.3	

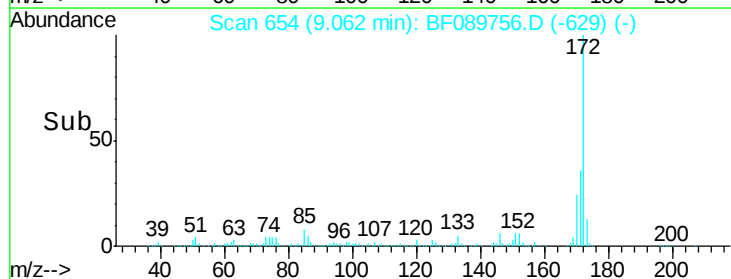
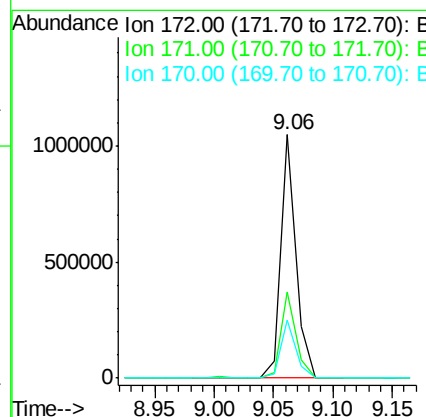
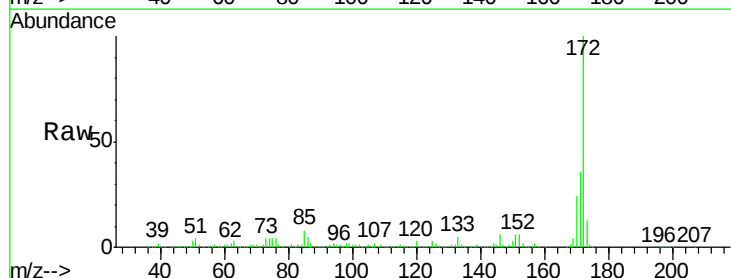
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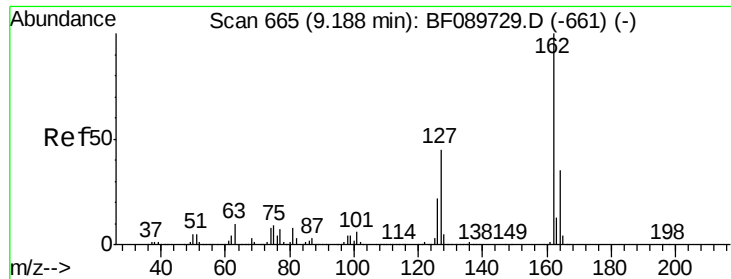
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#44
 2-Fluorobiphenyl
 Concen: 11.54 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	925702		
171	35.5	30.5	45.7	
170	23.9	20.6	31.0	





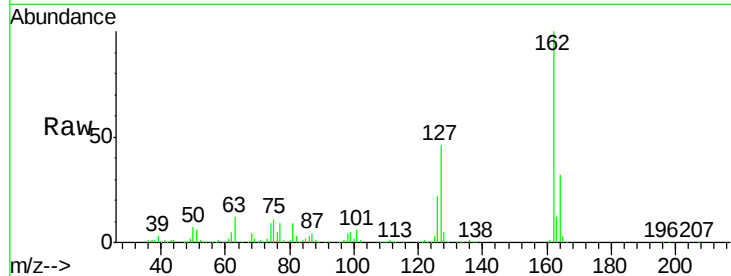
#46
2-Chloronaphthalene
Concen: 4.69 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampled :
9524DL

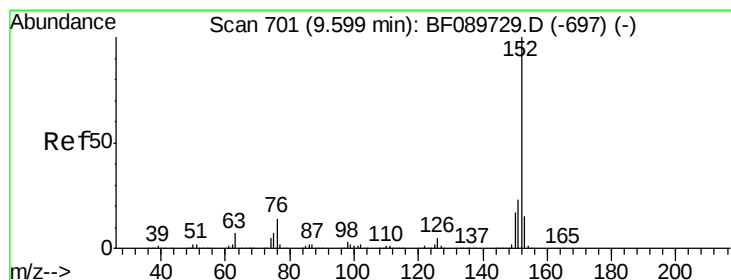
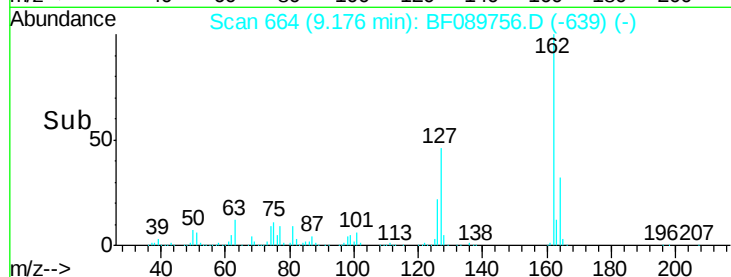
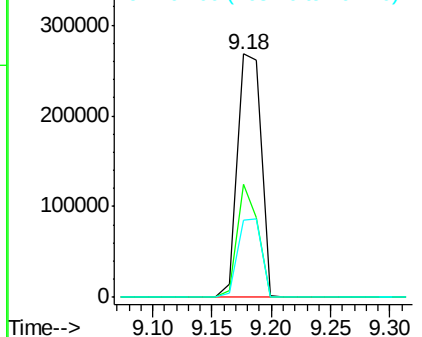
Tot Ion	Ratio	Resp	Lower	Upper
162	100	374733		
127	46.3	35.5	53.3	
164	31.7	26.6	40.0	

Manual Integrations
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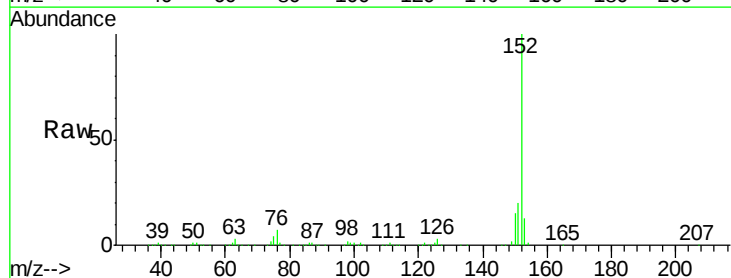


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

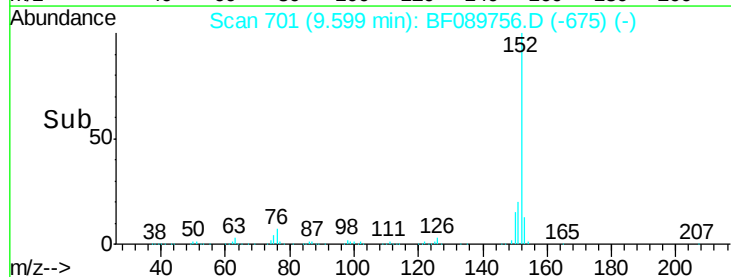
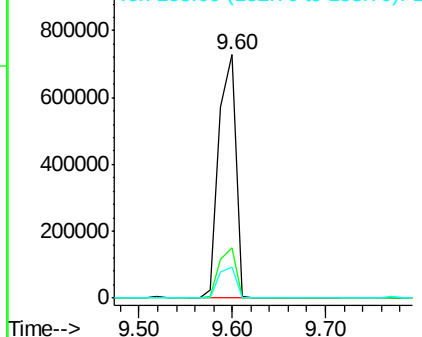


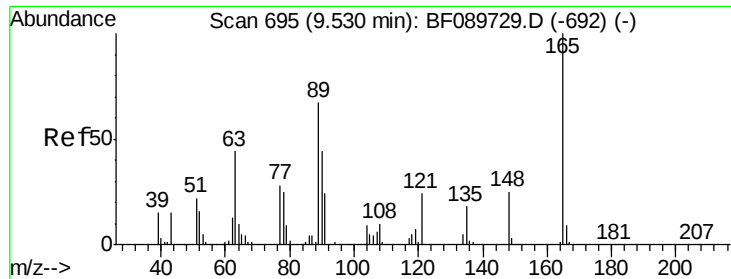
#48
Acenaphthylene
Concen: 7.46 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	916819		
151	20.5	17.1	25.7	
153	12.6	11.2	16.8	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

2,6-Dinitrotoluene

Concen: 16.50 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampled :

9524DL

Tot Ion:165 Resp: 347715
Ion Ratio Lower Upper

165 100

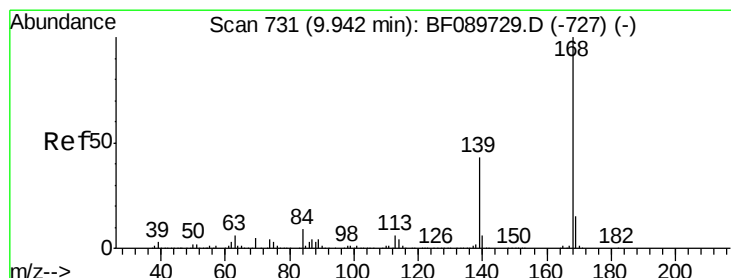
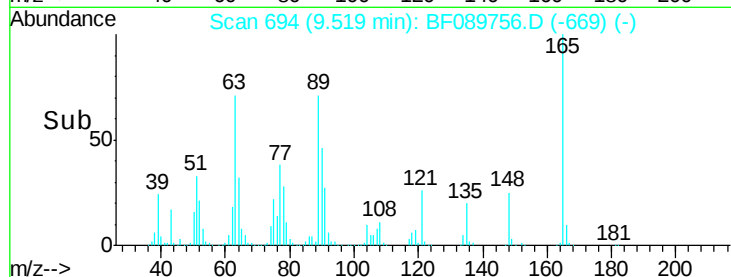
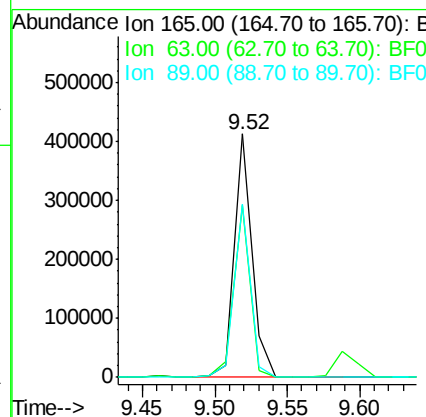
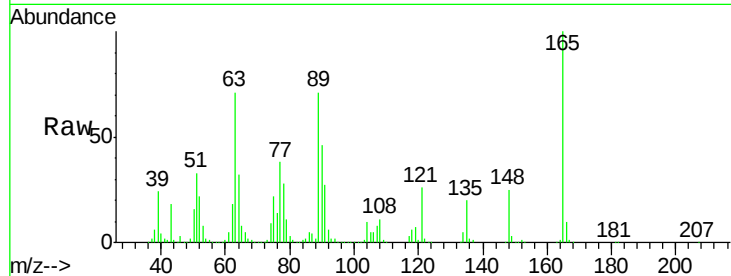
63 70.7 41.7 62.5#

89 71.2 44.6 67.0#

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#54

Dibenzofuran

Concen: 38.32 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF089756.D

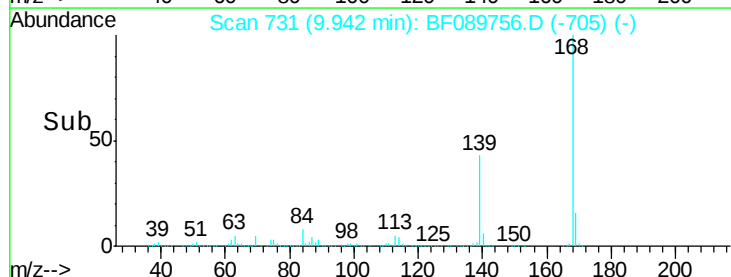
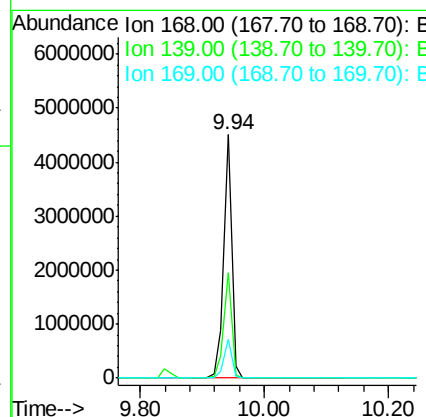
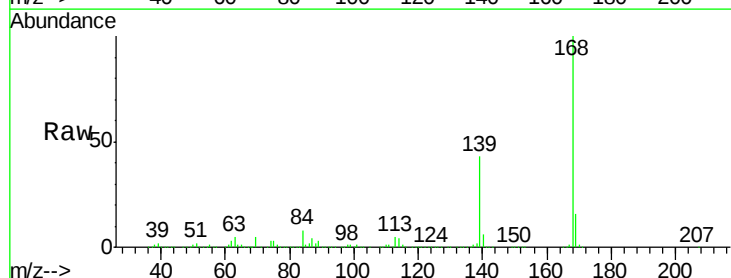
Acq: 17 Aug 2016 11:18

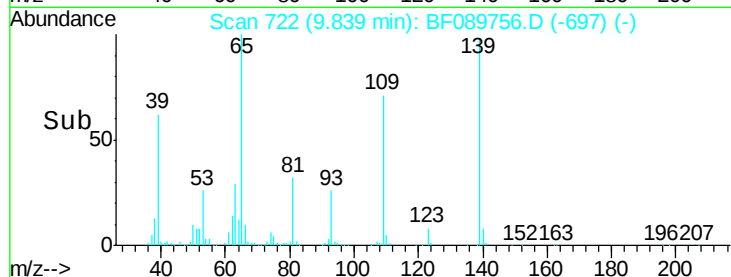
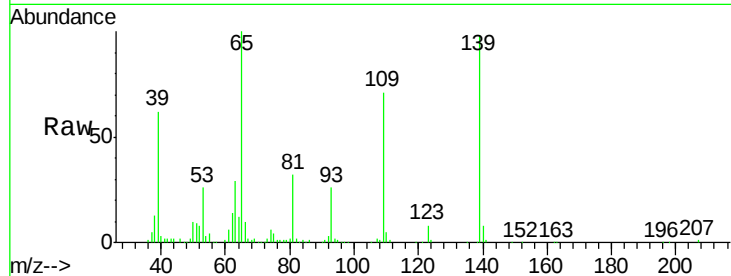
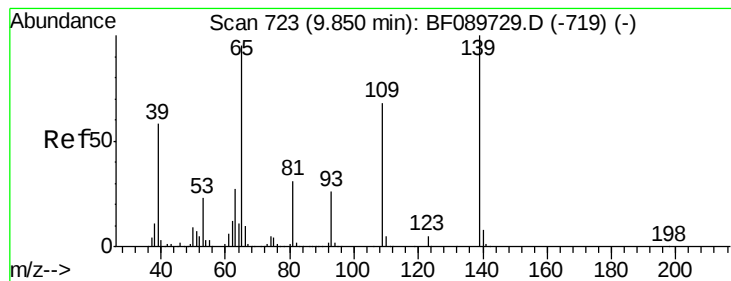
Tgt Ion:168 Resp: 3911258
Ion Ratio Lower Upper

168 100

139 43.2 34.6 52.0

169 15.8 11.5 17.3





#55

4-Nitrophenol

Concen: 10.60 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tot Ion:	139	Resp:	199696
Ion Ratio	Lower	Upper	
139	100		
109	72.9	43.0	83.0
65	102.2	55.7	95.7#

Instrument :

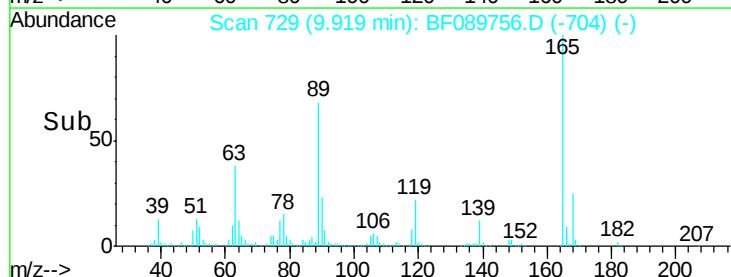
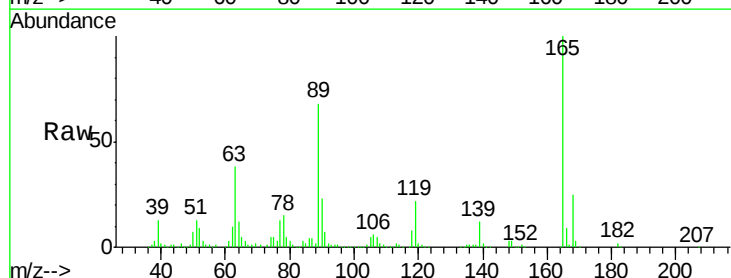
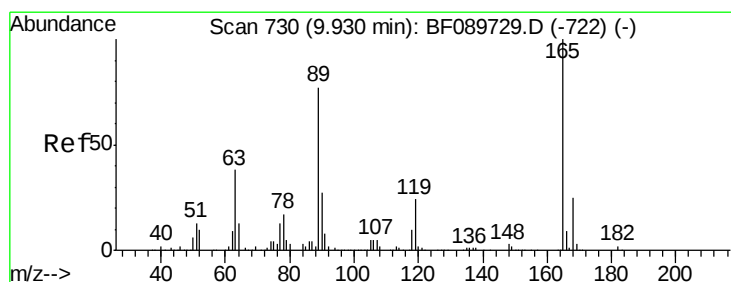
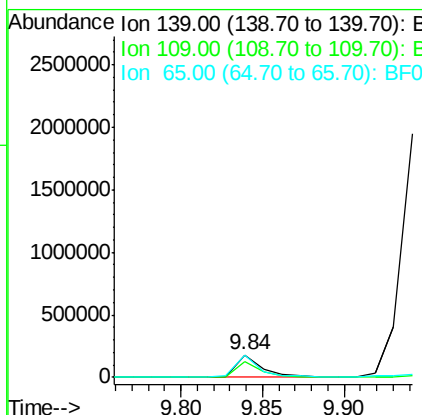
BNA_F

ClientSampled :

9524DL

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#56

2,4-Dinitrotoluene

Concen: 7.99 ng

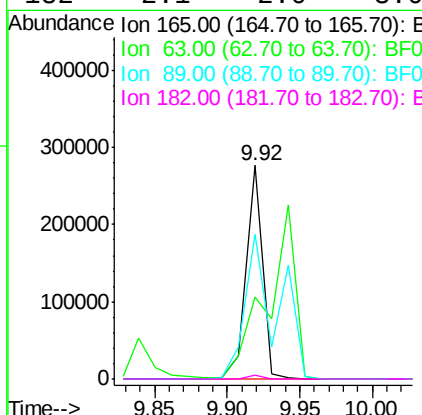
RT: 9.92 min Scan# 729

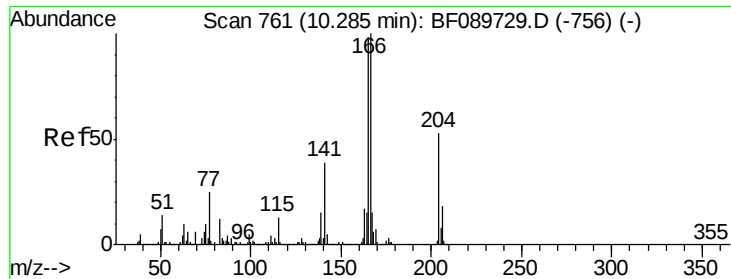
Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:	165	Resp:	216508
Ion Ratio	Lower	Upper	
165	100		
63	38.4	23.7	35.5#
89	67.7	44.0	66.0#
182	2.1	2.0	3.0





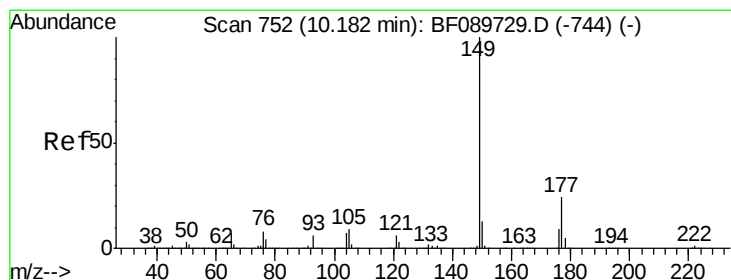
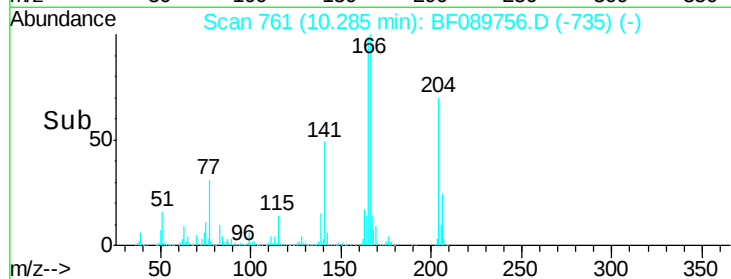
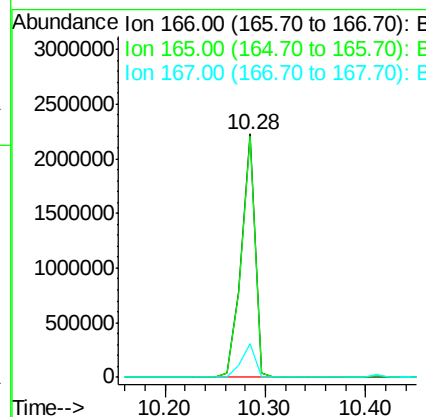
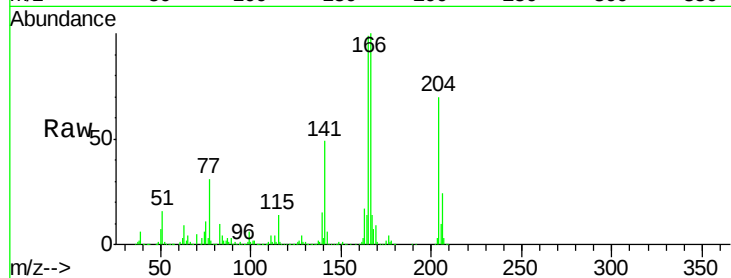
#57
Fluorene
 Concen: 25.76 ng
 RT: 10.28 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Instrument :
 BNA_F
 ClientSampleID :
 9524DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.2	120.4
167	14.1	11.3	16.9

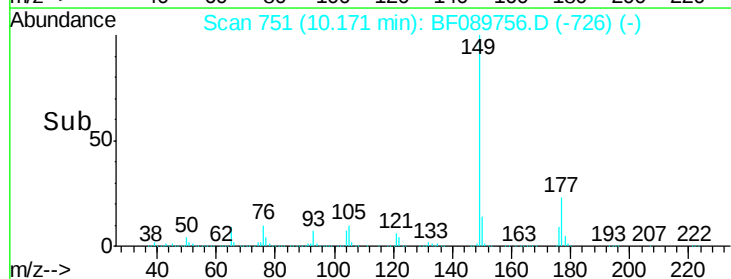
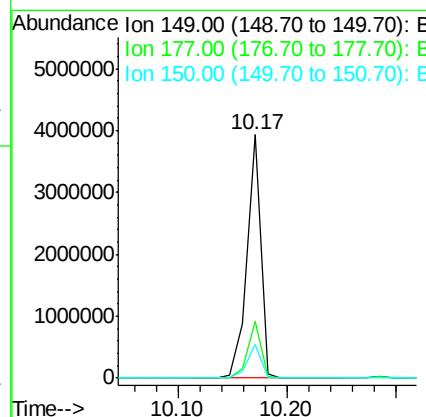
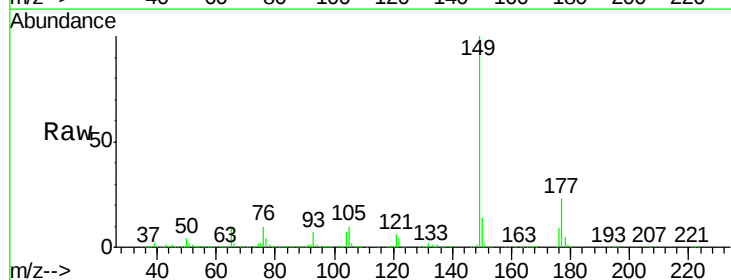
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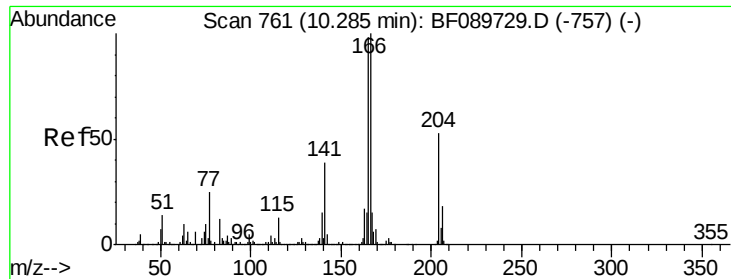
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#59
Diethylphthalate
 Concen: 35.88 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.1	16.6	25.0
150	14.0	10.5	15.7





#60

4-Chlorophenyl-phenylether

Concen: 32.34 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampled :

9524DL

Tot Ion:204 Resp: 1309314

Ion Ratio Lower Upper

204 100

206 33.8 26.5 39.7

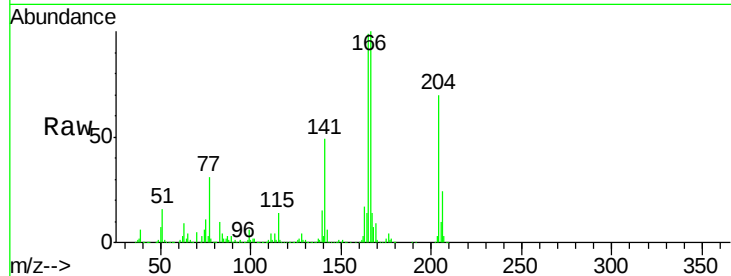
141 70.0 54.1 81.1

Manual Integrations

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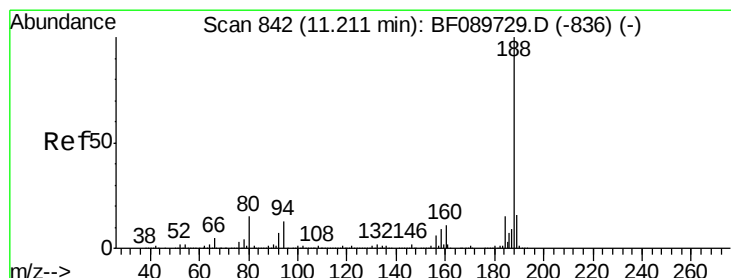
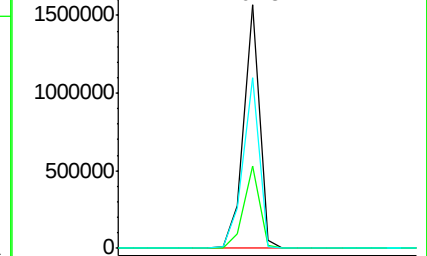
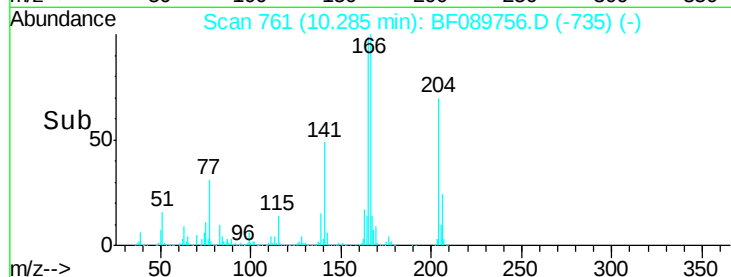
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Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

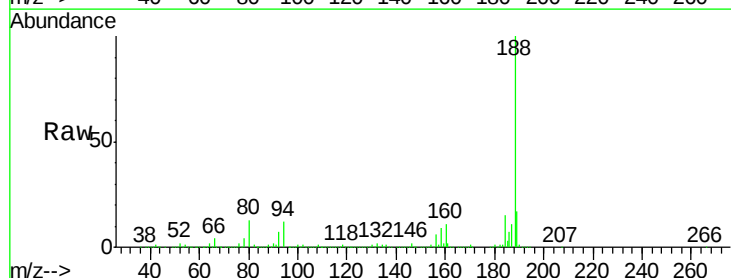
Tgt Ion:188 Resp: 2210629

Ion Ratio Lower Upper

188 100

94 12.2 10.2 15.2

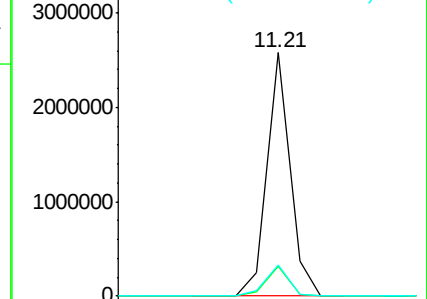
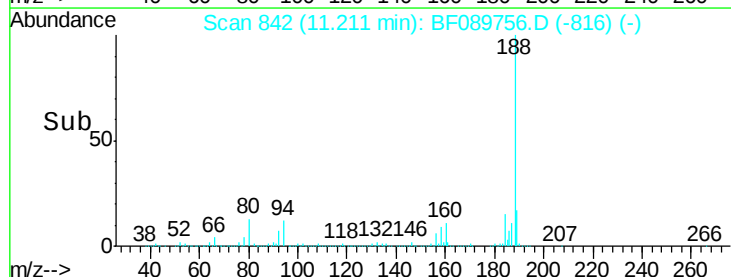
80 12.9 10.9 16.3

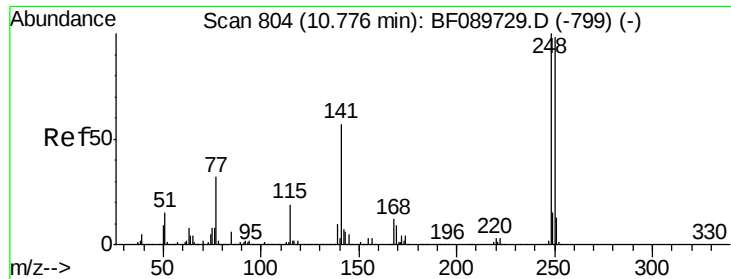


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





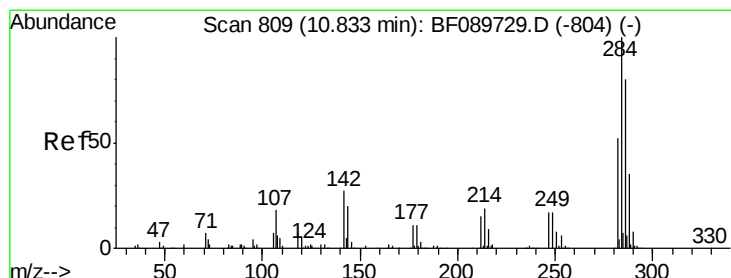
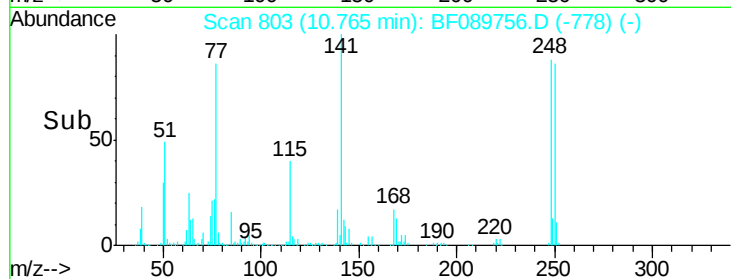
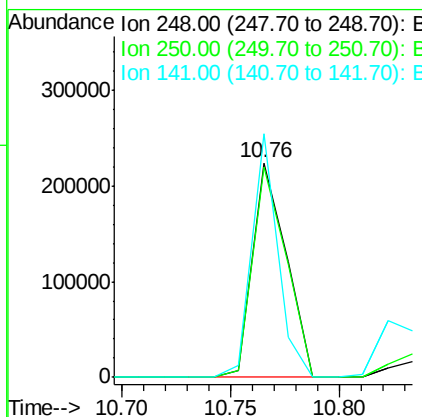
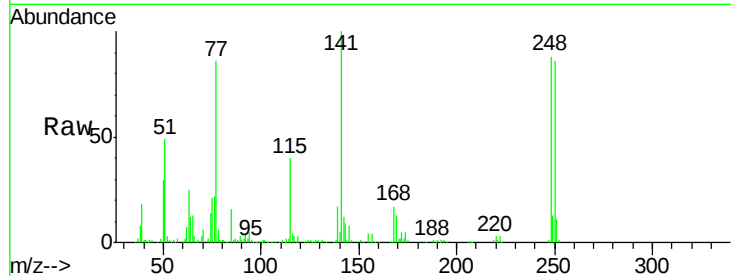
#66
4-Bromophenyl-phenylether
Concen: 10.56 ng
RT: 10.76 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampleId :
9524DL

Tot Ion	Ratio	Resp	Lower	Upper
248	100	241854		
250	97.9	78.6	117.8	
141	113.5	31.4	47.2	

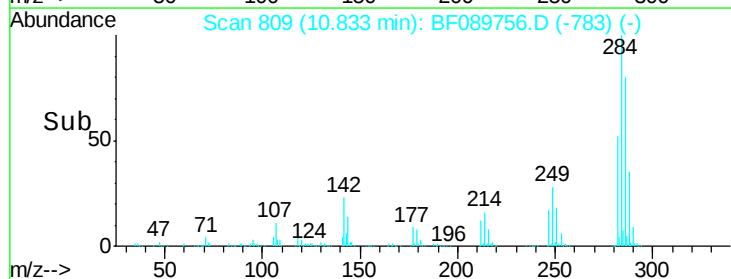
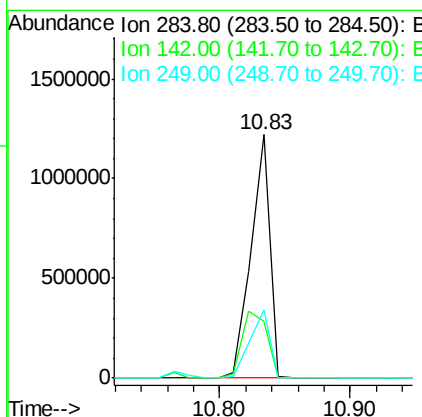
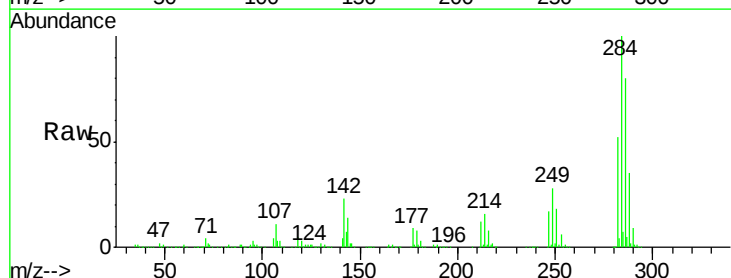
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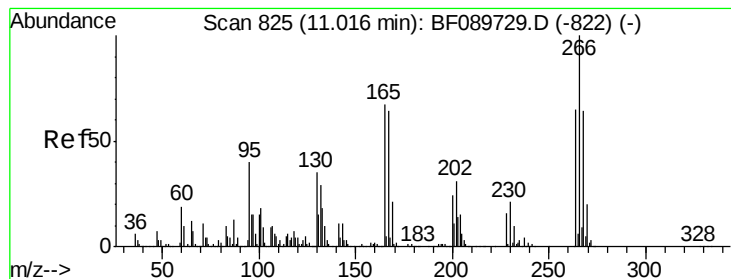
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#67
Hexachlorobenzene
Concen: 48.30 ng
RT: 10.83 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1229328		
142	23.3	17.4	26.2	
249	27.8	22.8	34.2	





#69

Pentachlorophenol

Concen: 6.09 ng

RT: 11.02 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

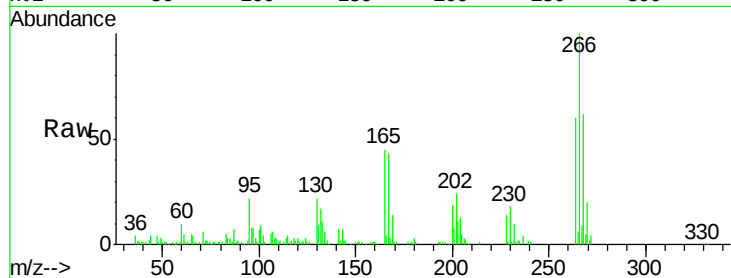
ClientSampleId :

9524DL

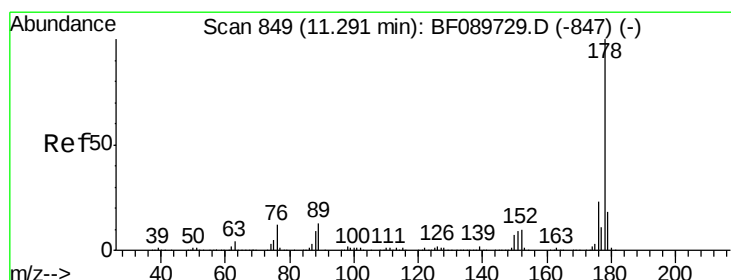
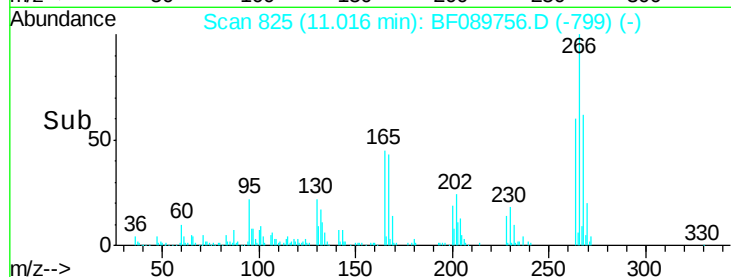
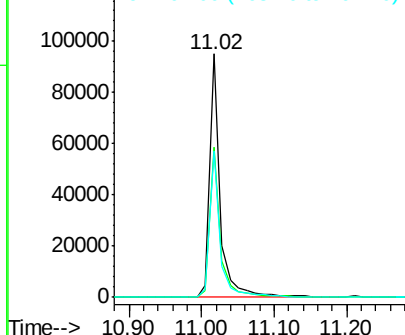
Tot Ion:	266	Resp:	96511
Ion Ratio	Lower	Upper	
266	100		
268	61.6	53.2	79.8
264	60.3	51.1	76.7

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Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#71

Anthracene

Concen: 11.01 ng

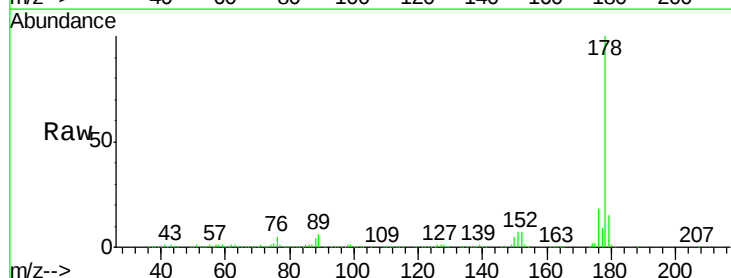
RT: 11.29 min Scan# 849

Delta R.T. 0.00 min

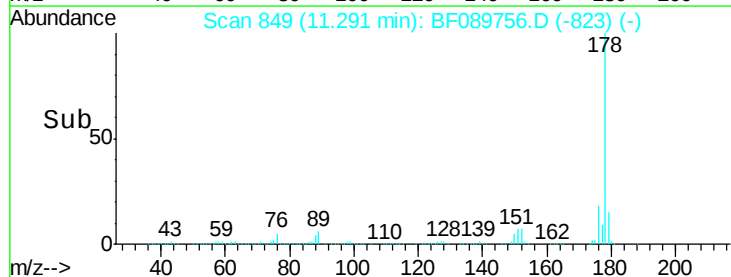
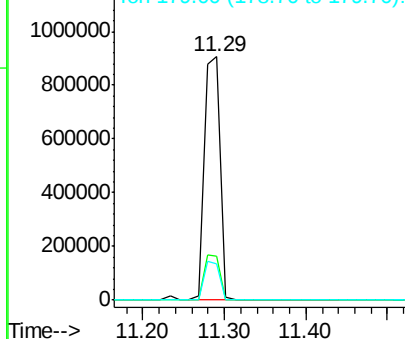
Lab File: BF089756.D

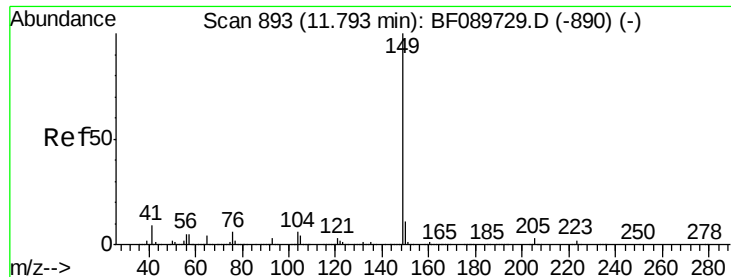
Acq: 17 Aug 2016 11:18

Tgt Ion:	178	Resp:	1250530
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.4	24.6
179	15.1	13.1	19.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 16.83 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

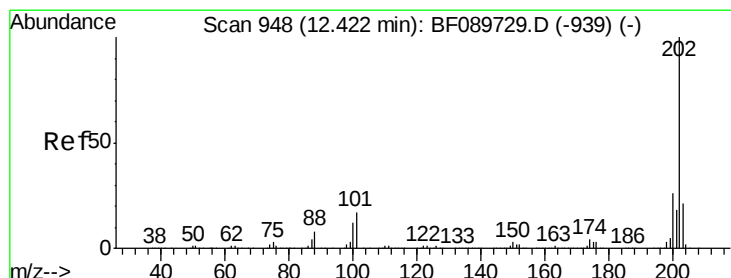
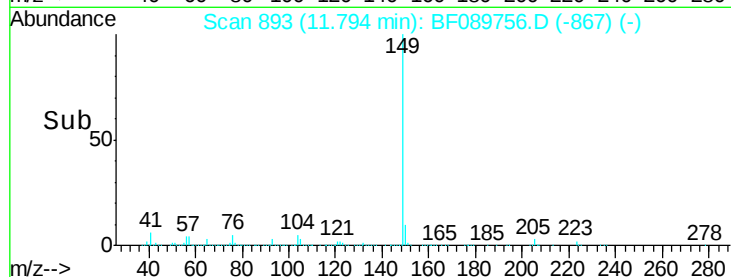
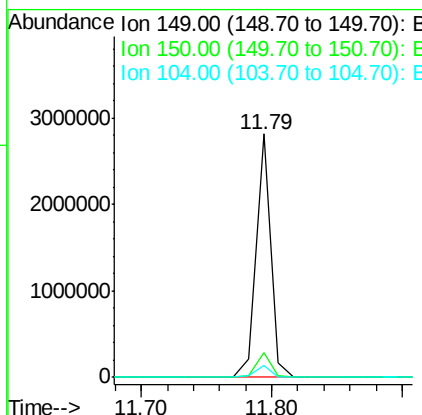
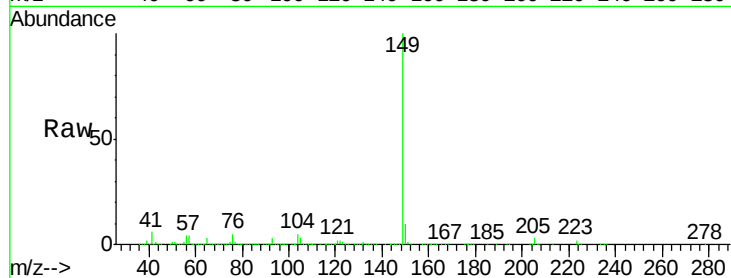
9524DL

Tot Ion:149 Resp: 2202231

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.9	11.9
104	5.1	4.3	6.5

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#74

Fluoranthene

Concen: 12.02 ng

RT: 12.42 min Scan# 948

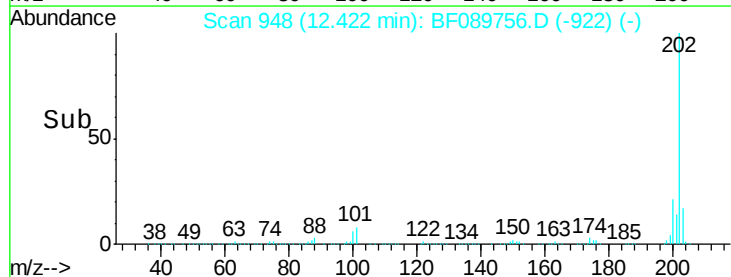
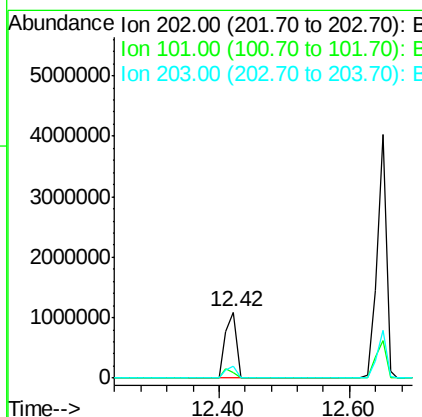
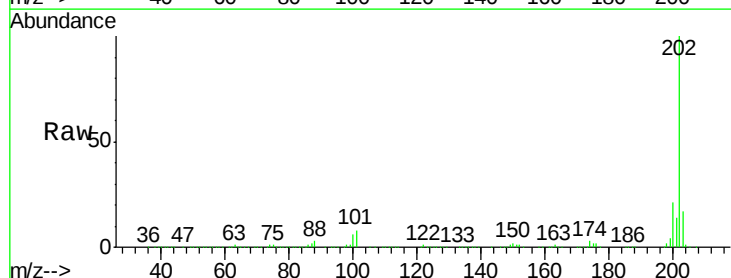
Delta R.T. 0.00 min

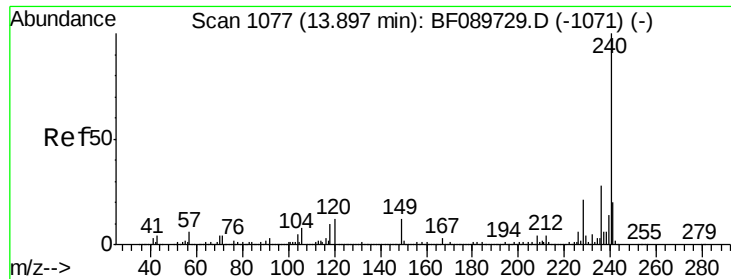
Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:202 Resp: 1311898

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	31.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampled :

9524DL

Tot Ion:240 Resp: 1926334

Ion Ratio Lower Upper

240 100

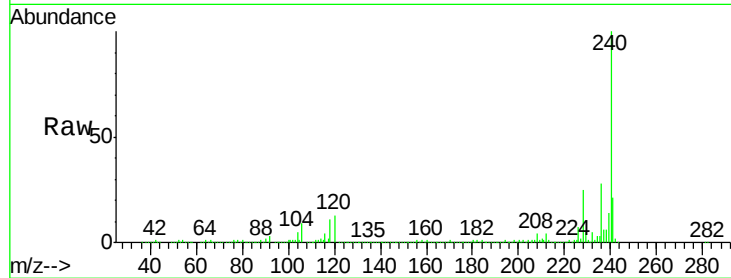
120 12.9 8.3 12.5#

236 27.6 21.3 31.9

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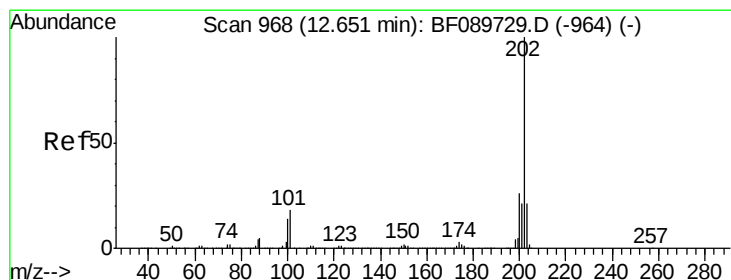
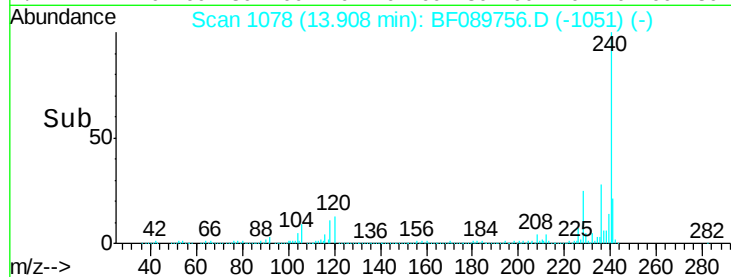
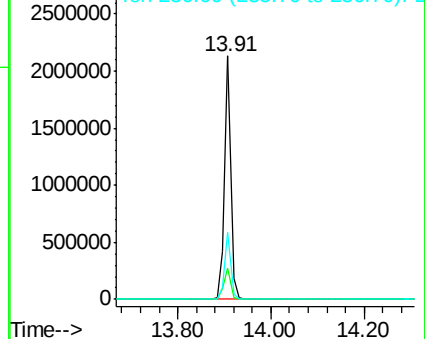
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.88 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

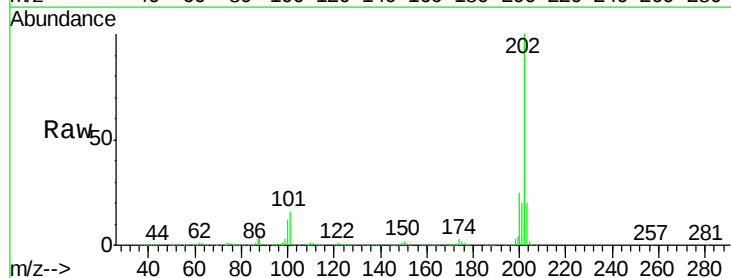
Tgt Ion:202 Resp: 3892410

Ion Ratio Lower Upper

202 100

200 24.6 17.8 26.6

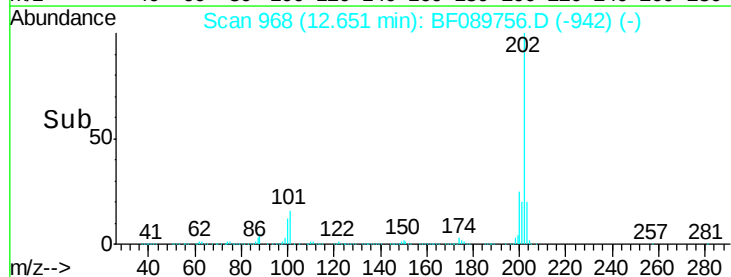
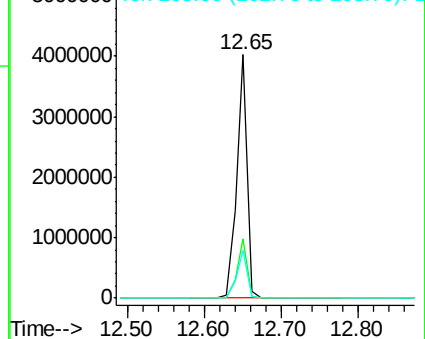
203 19.9 14.2 21.4

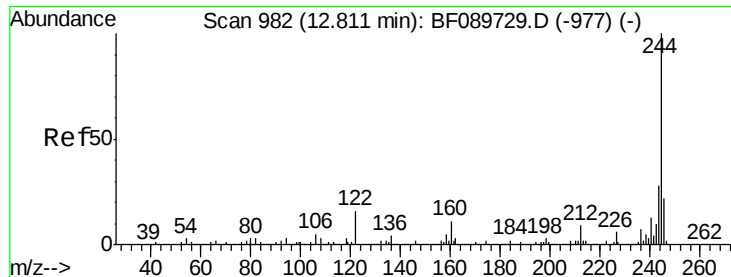


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.84 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampled :

9524DL

Tot Ion:244 Resp: 1150274

Ion Ratio Lower Upper

244 100

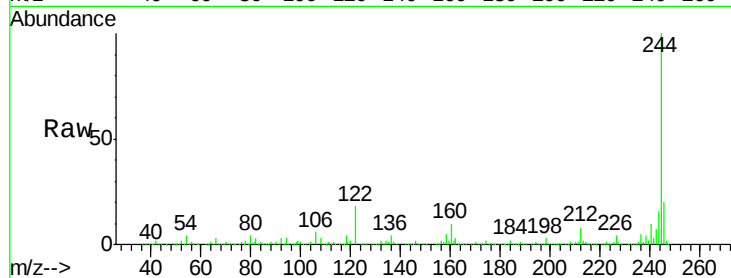
212 7.7 6.3 9.5

122 18.1 12.0 18.0#

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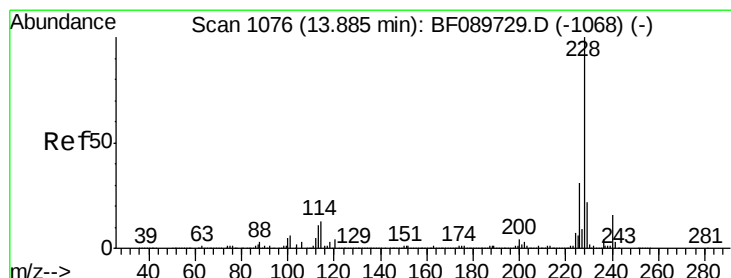
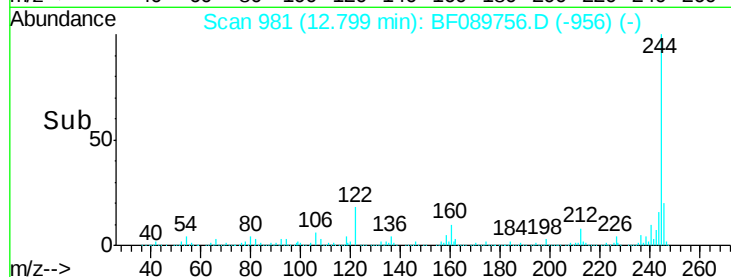
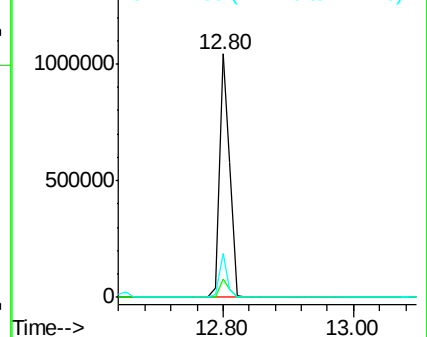
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 28.46 ng

RT: 13.90 min Scan# 1077

Delta R.T. 0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

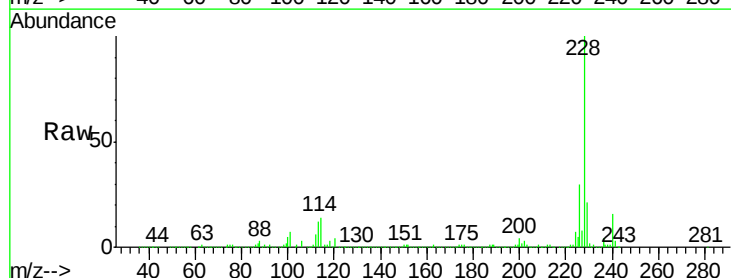
Tgt Ion:228 Resp: 3185351

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

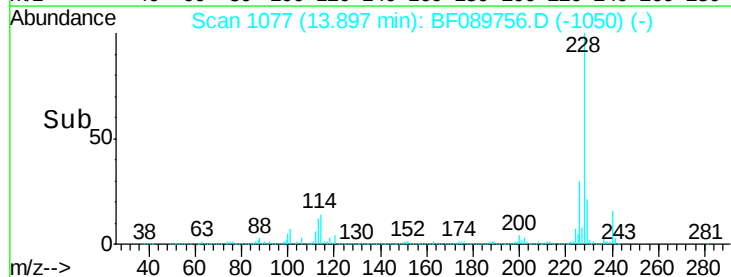
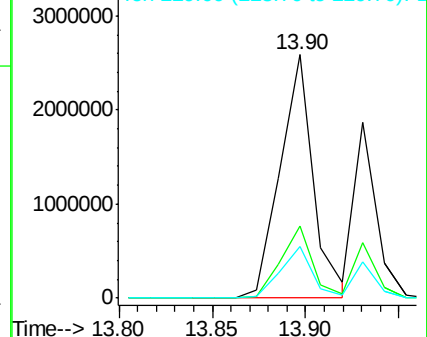
229 21.2 16.2 24.4

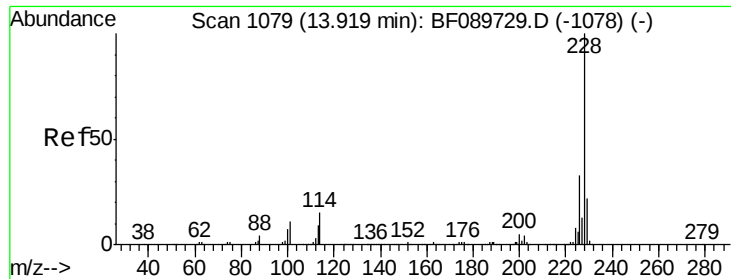


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.69 ng

RT: 13.93 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

Tot Ion:228 Resp: 1579980

Ion Ratio Lower Upper

228 100

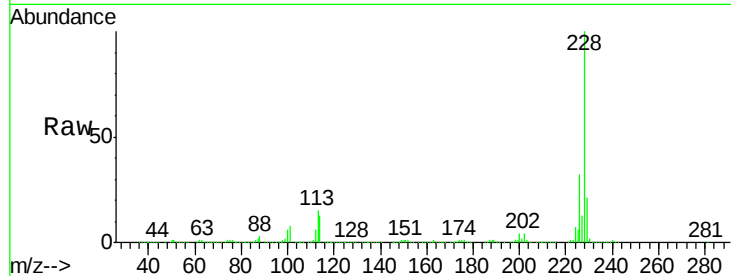
226 31.8 25.4 38.0

229 20.7 16.5 24.7

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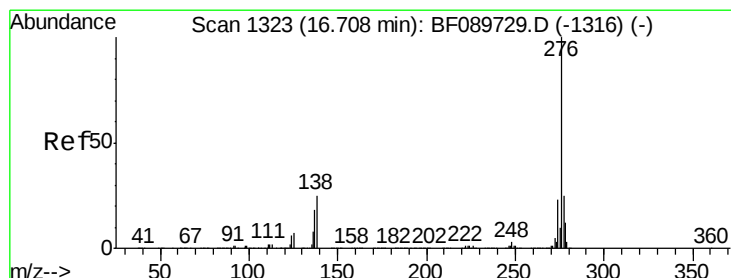
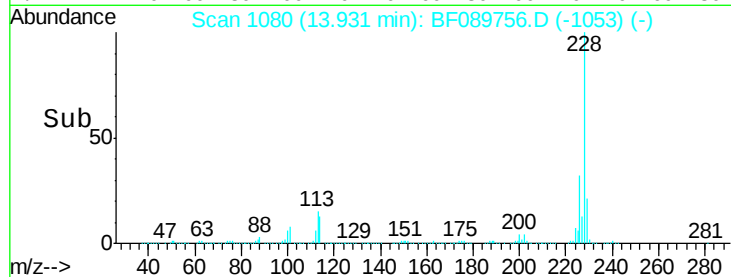
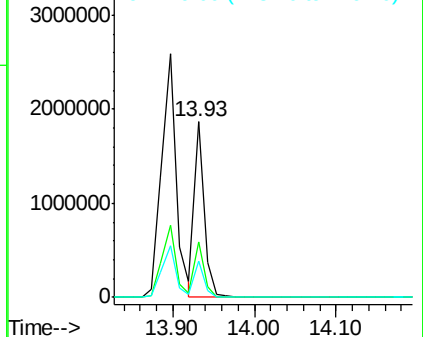
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.32 ng m

RT: 16.73 min Scan# 1325

Delta R.T. 0.02 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:276 Resp: 713819

Ion Ratio Lower Upper

276 100

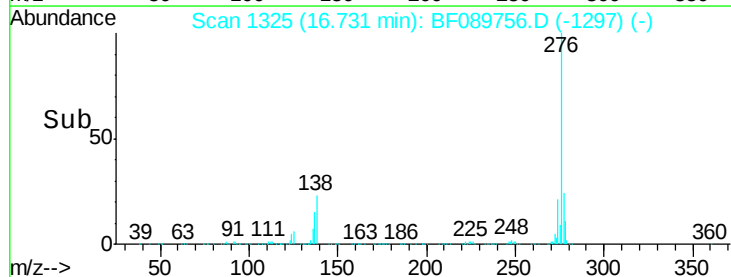
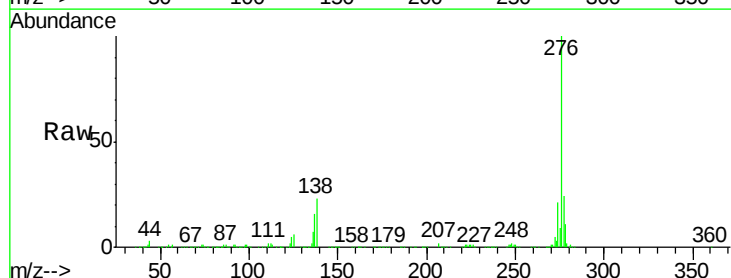
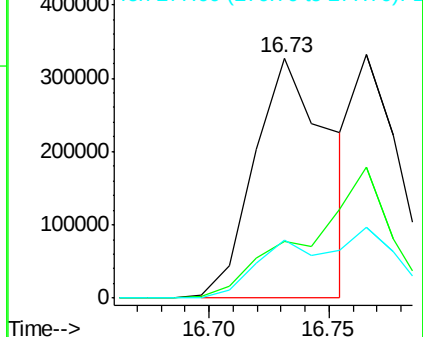
138 62.5 24.6 36.8#

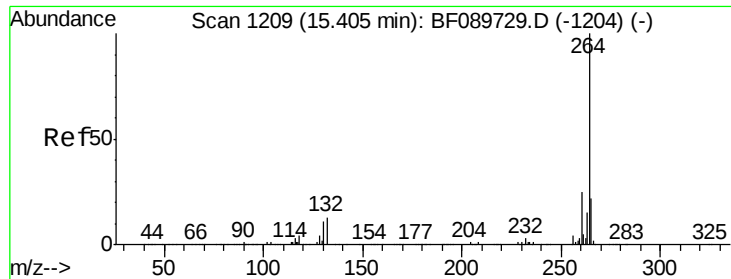
277 44.2 20.4 30.6#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





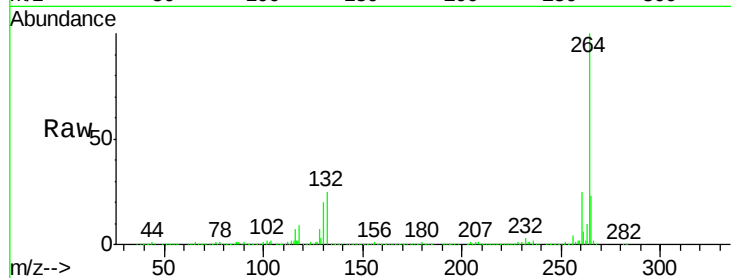
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. 0.02 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampled :
9524DL

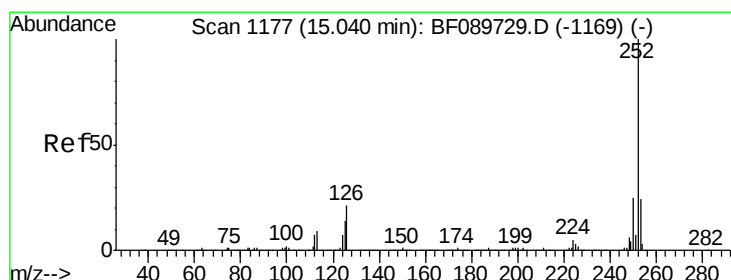
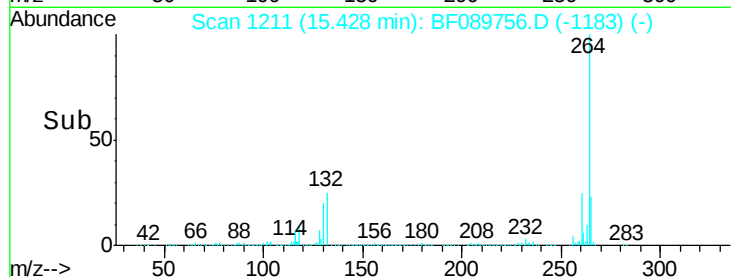
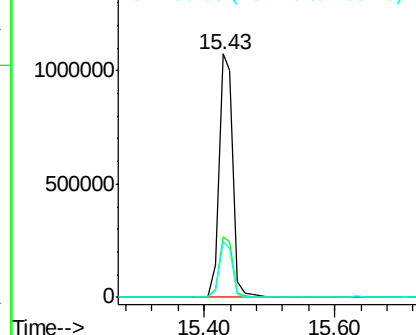
Tot Ion:264 Resp: 1617545
Ion Ratio Lower Upper
264 100
260 24.7 20.2 30.2
265 22.5 17.4 26.2

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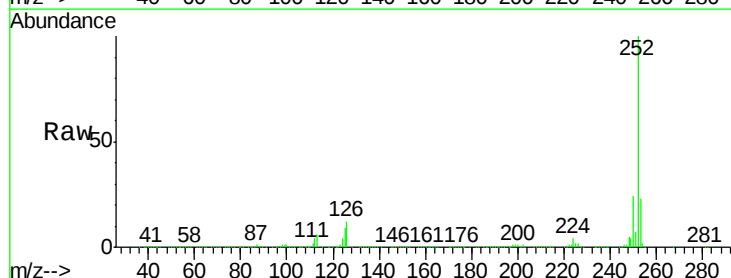


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

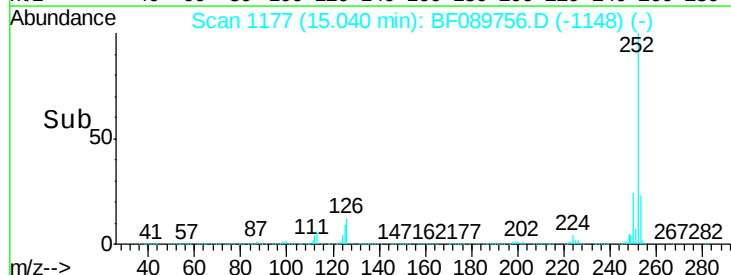
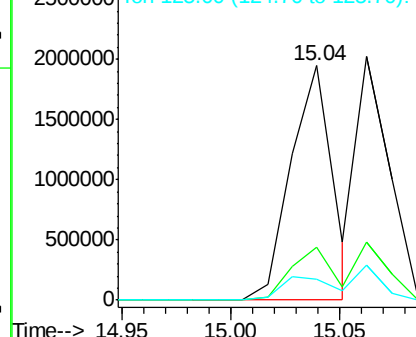


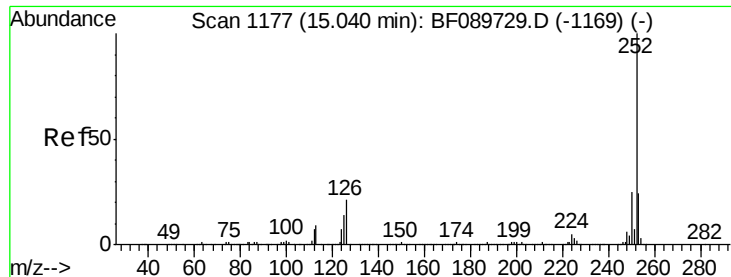
#87
Benzo(b)fluoranthene
Concen: 25.33 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.03 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:252 Resp: 2596385
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 8.9 11.4 17.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





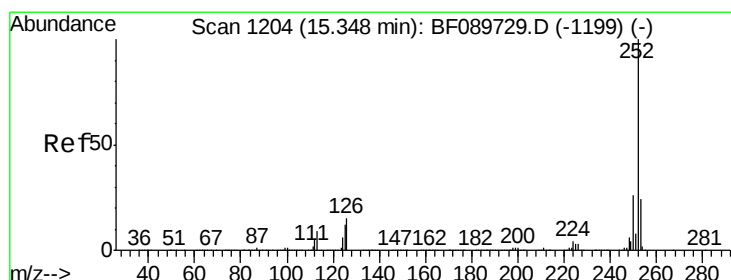
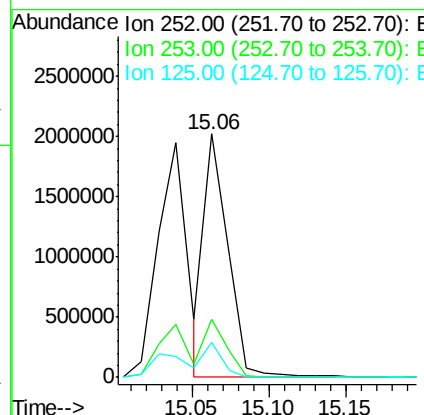
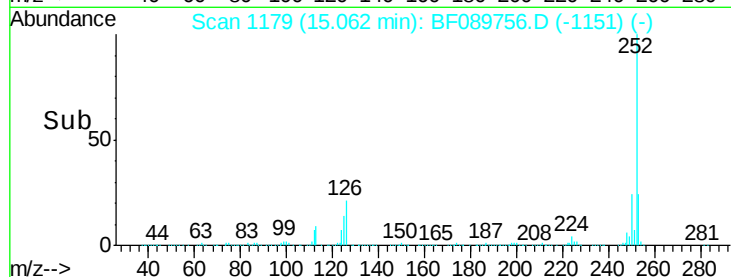
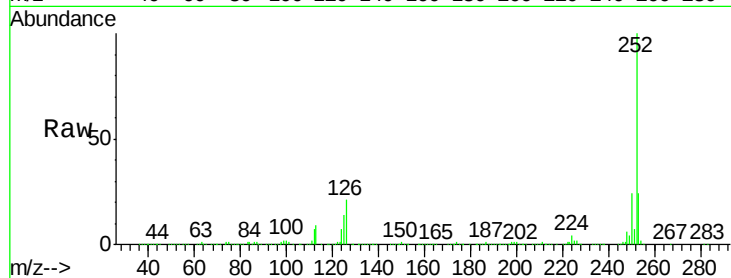
#88
Benzo(k)fluoranthene
Concen: 25.87 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.02 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampled :
9524DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	14.5	9.8	14.6

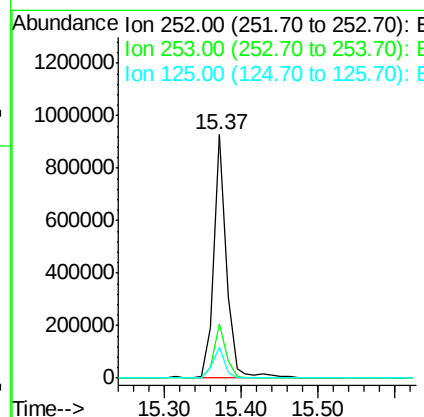
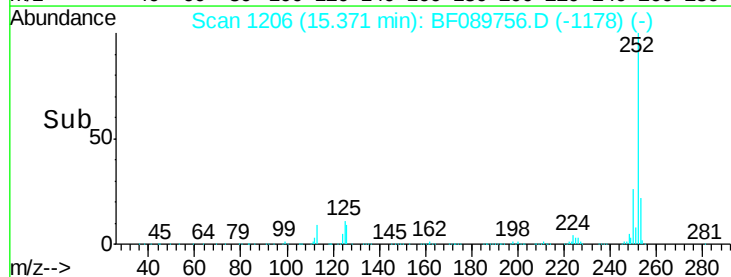
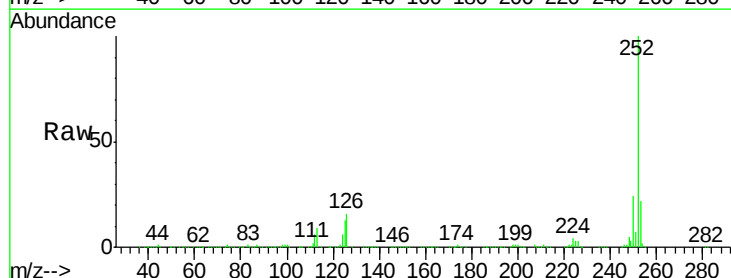
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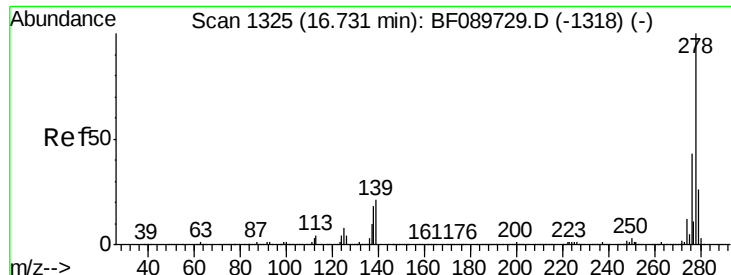
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#89
Benzo(a)pyrene
Concen: 12.36 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.02 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	12.9	11.7	17.5





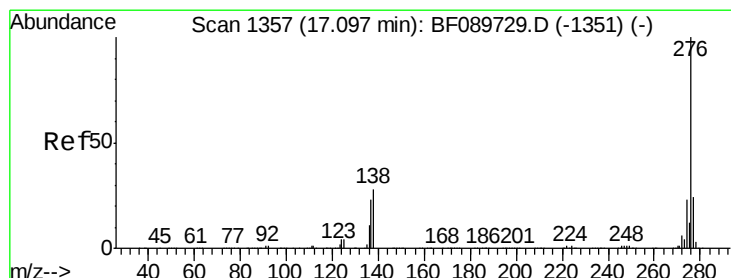
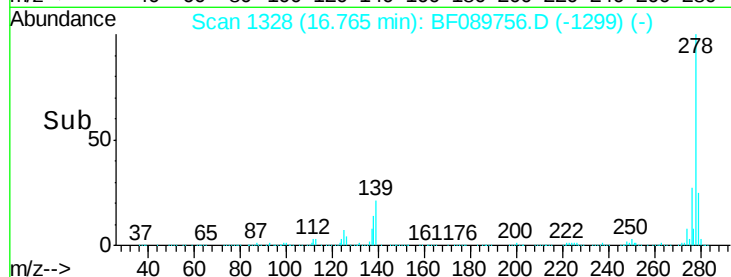
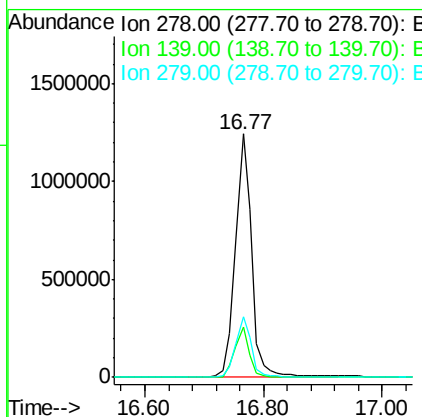
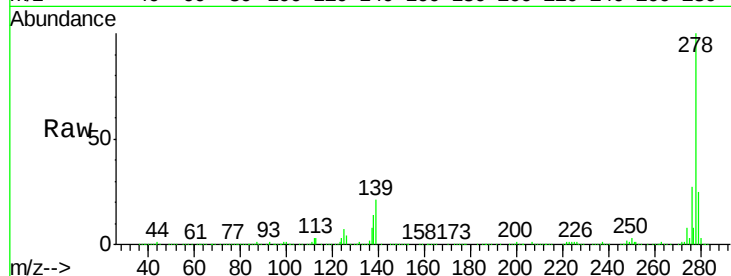
#90
Dibenzo(a,h)anthracene
Concen: 35.59 ng
RT: 16.77 min Scan# 1328
Delta R.T. 0.03 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampleId :
9524DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	14.9	22.3
279	24.7	19.2	28.8

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#91
Benzo(g,h,i)perylene
Concen: 23.49 ng
RT: 17.13 min Scan# 1360
Delta R.T. 0.03 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	22.6	22.1	33.1

