

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080929.D
 Acq On : 7 Aug 2015 16:21
 Operator : TP/UM
 Sample : G3083-12DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

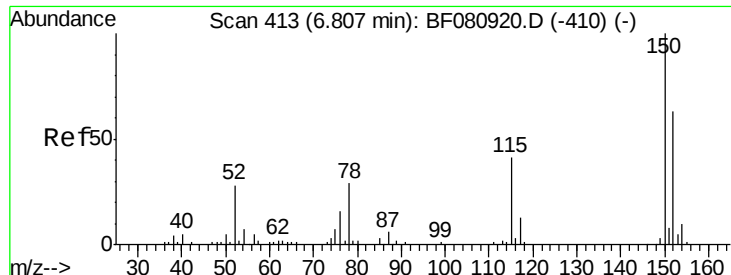
Manual Integrations
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 8/10/2015 7:19:01 PM

Quant Time: Aug 08 05:33:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	75385	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	275982	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	147238	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	309941	20.00	ng	0.00
75) Chrysene-d12	13.95	240	273196	20.00	ng	-0.01
86) Perylene-d12	15.36	264	221551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	57128	12.38	ng	0.00
7) Phenol-d6	6.43	99	47468	7.51	ng	-0.01
23) Nitrobenzene-d5	7.37	82	78814	13.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	31406	19.42	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	133971	12.81	ng	-0.01
78) Terphenyl-d14	12.90	244	163106	12.33	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	6.58	128	33971	6.36	ng	83
10) Phenol	6.44	94	58652	7.82	ng	91
17) 2-Methylphenol	7.06	107	20178	4.43	ng	97
20) 3+4-Methylphenols	7.21	107	40500	7.07	ng	# 49
26) 2-Nitrophenol	7.71	139	57098	22.59	ng	# 86
27) 2,4-Dimethylphenol	7.74	122	33483	7.08	ng	96
29) 2,4-Dichlorophenol	7.95	162	14438	3.71	ng	86
36) 4-Chloro-3-methylphenol	8.64	107	112462	23.70	ng	98
42) 2,4,6-Trichlorophenol	9.08	196	50958m	15.32	ng	
43) 2,4,5-Trichlorophenol	9.12	196	38691m	11.54	ng	
53) 2,4-Dinitrophenol	9.89	184	13612	14.32	ng	# 71
55) 4-Nitrophenol	9.94	139	17117	7.34	ng	# 46
69) Pentachlorophenol	11.13	266	21184	9.98	ng	97

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



#1

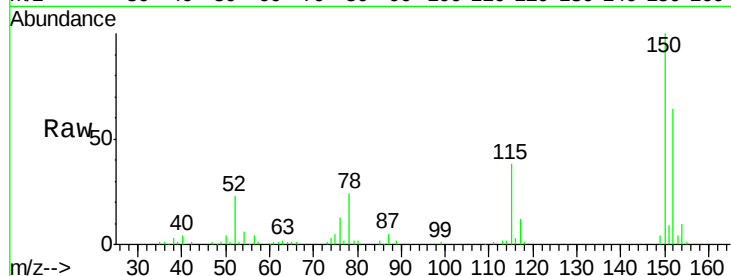
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080929.D
Acq: 7 Aug 2015 16:21

Instrument :
BNA_F
ClientSampleId :
8535DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.2
115	59.2	52.6	78.8

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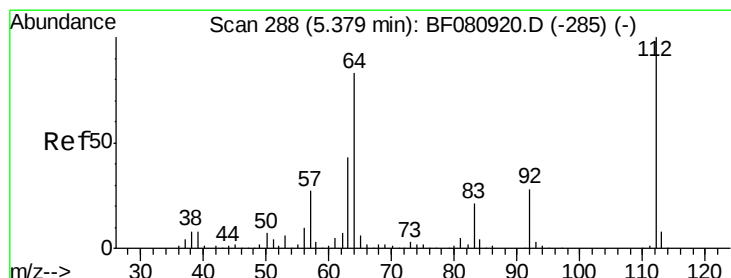
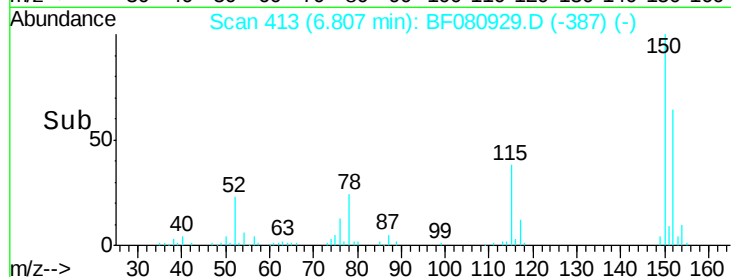
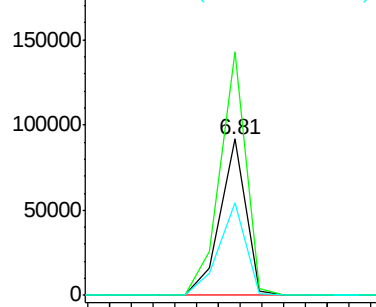


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

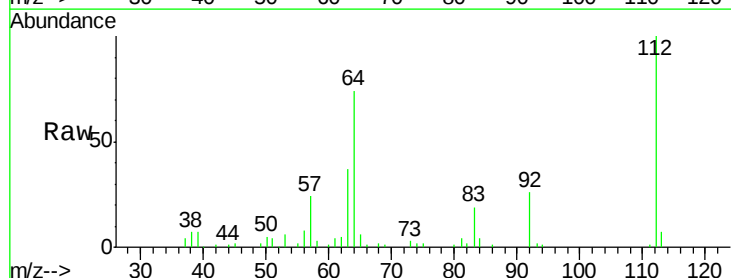
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.38 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF080929.D
Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	66.1	99.1
63	36.7	34.6	52.0

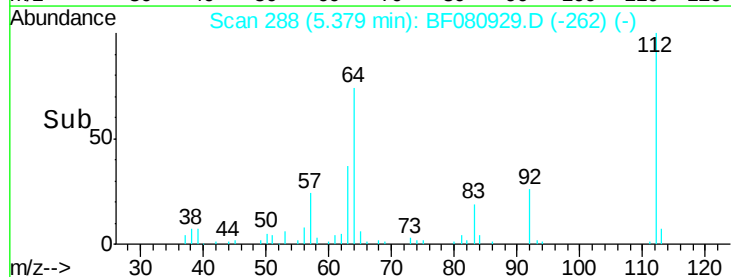
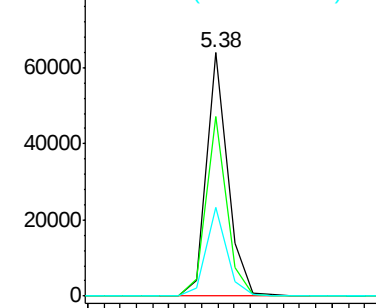


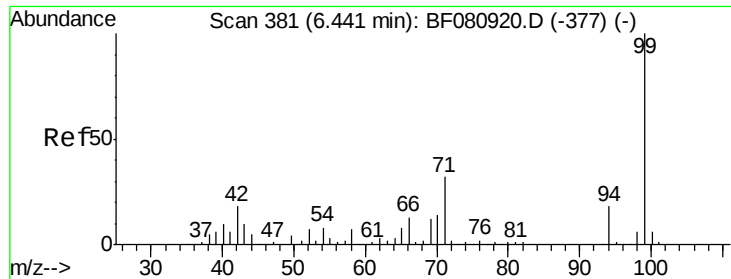
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.51 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Instrument :

BNA_F

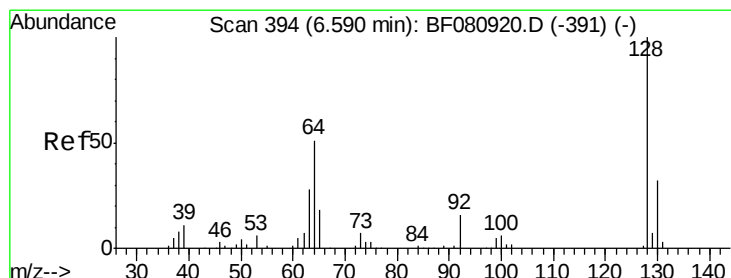
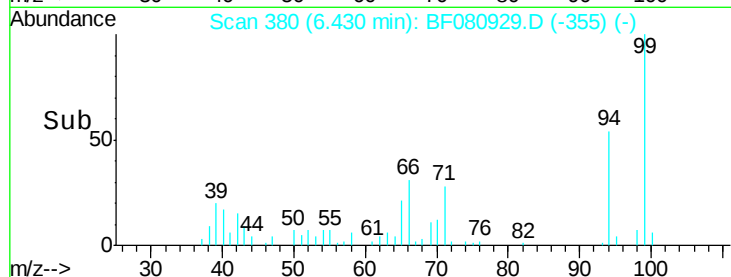
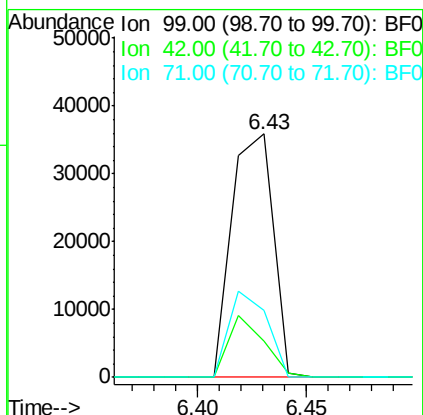
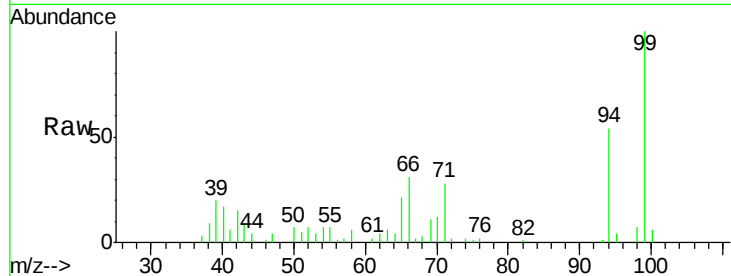
ClientSampleId :

8535DL

Tot Ion:	99	Resp:	47468
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.4	21.6
71	27.5	25.8	38.8

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#8

2-Chlorophenol

Concen: 6.36 ng

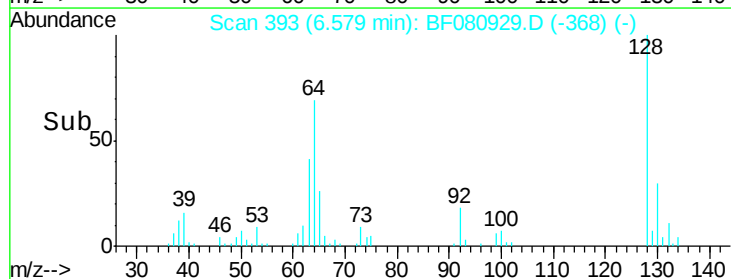
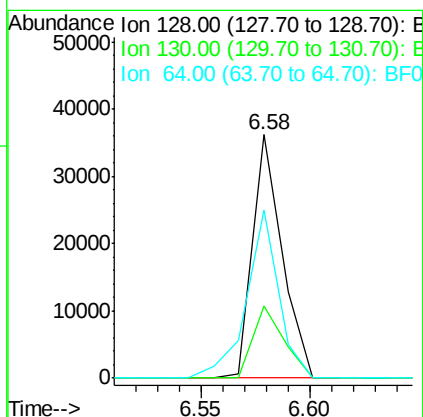
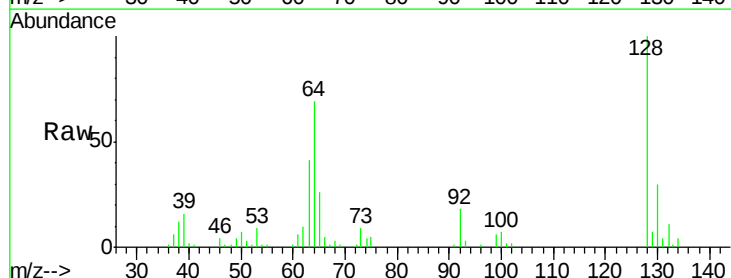
RT: 6.58 min Scan# 393

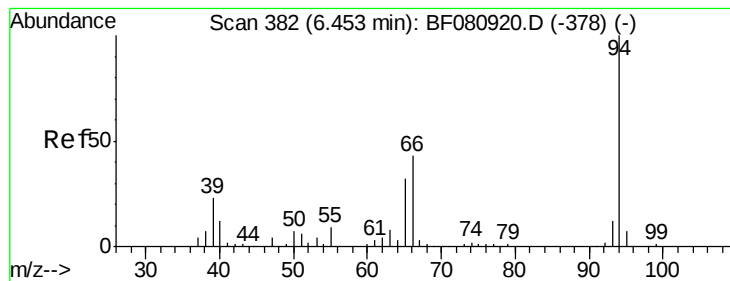
Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Tgt Ion:	128	Resp:	33971
Ion Ratio	Lower	Upper	
128	100		
130	29.6	12.4	52.4
64	69.2	32.1	72.1





#10

Phenol

Concen: 7.82 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Instrument :

BNA_F

ClientSampleId :

8535DL

Tot Ion: 94 Resp: 58652

Ion Ratio Lower Upper

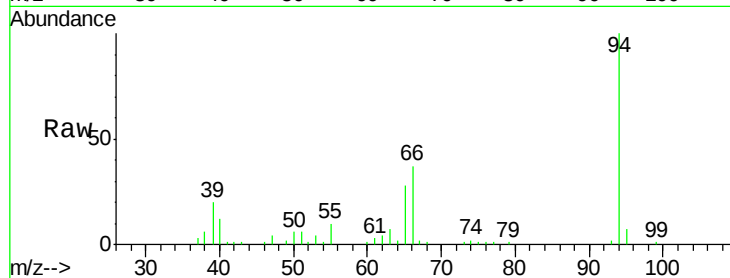
94 100

65 27.6 11.8 51.8

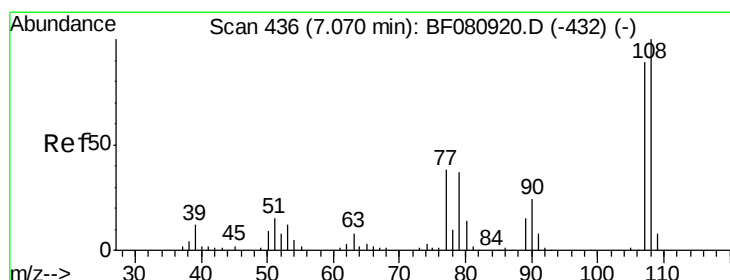
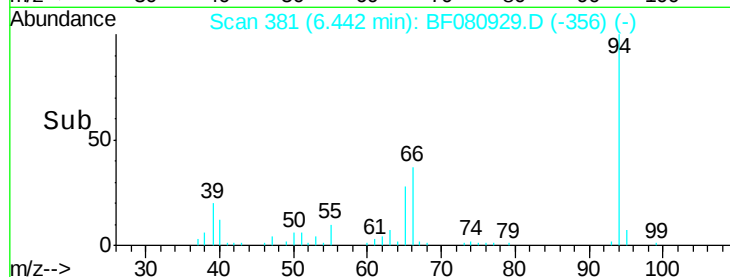
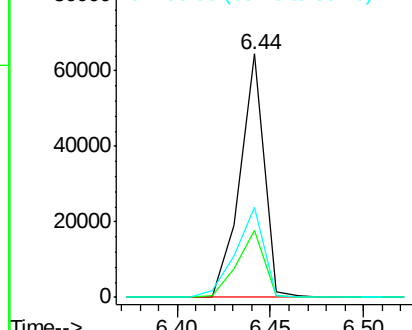
66 36.9 22.9 62.9

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Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#17

2-Methylphenol

Concen: 4.43 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Tgt Ion: 107 Resp: 20178

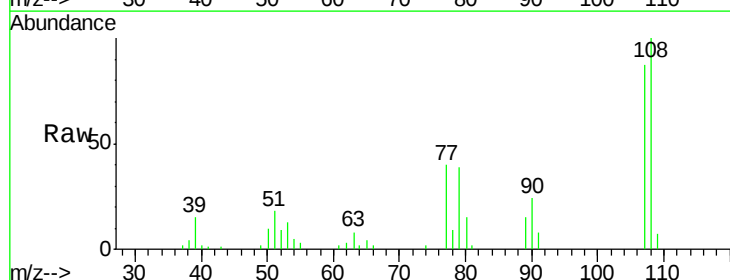
Ion Ratio Lower Upper

107 100

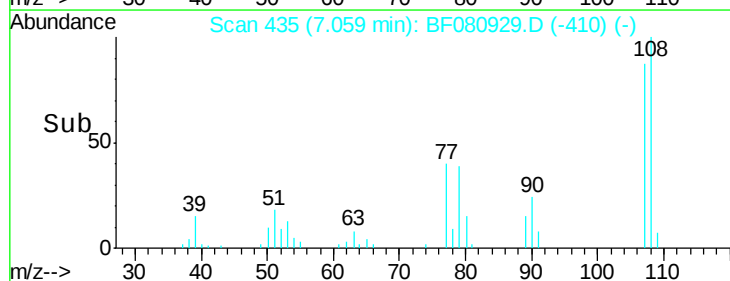
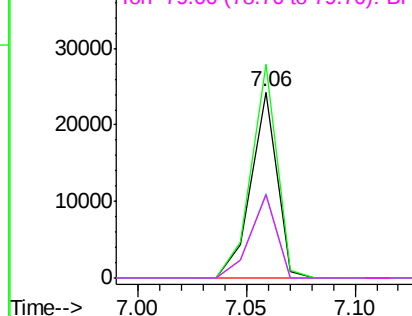
108 114.9 90.3 135.5

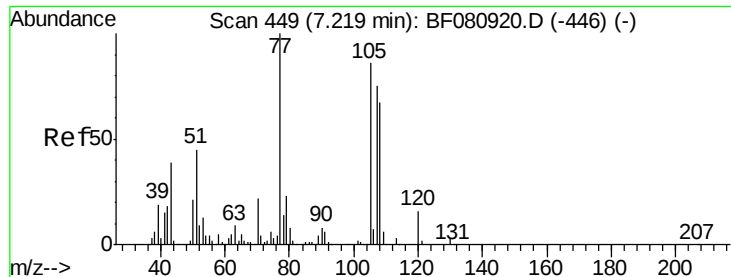
77 45.8 34.6 51.8

79 44.8 33.6 50.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 7.07 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Instrument :

BNA_F

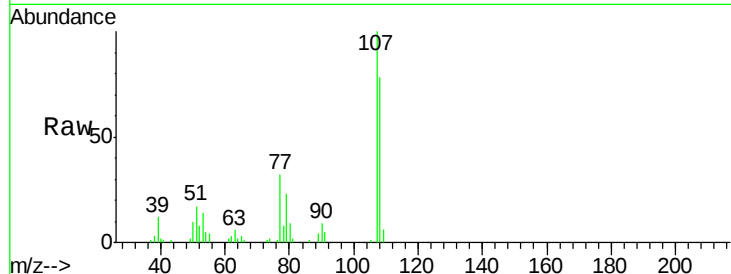
ClientSampleId :

8535DL

Tot Ion:	107	Resp:	40500
Ion Ratio	Lower	Upper	
107	100		
108	78.4	69.2	109.2
77	32.3	113.0	153.0#
79	23.0	10.3	50.3

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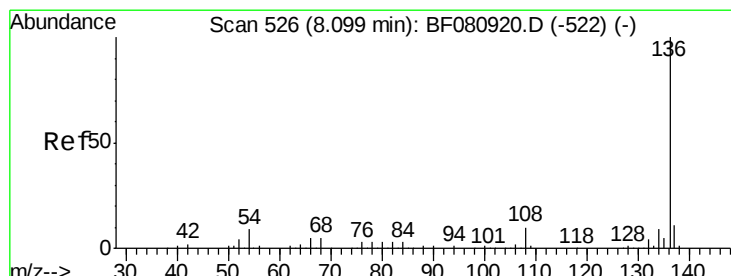
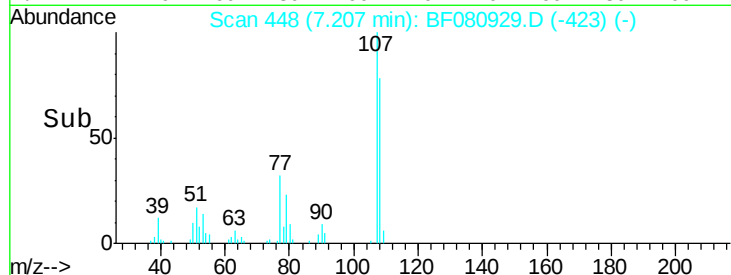
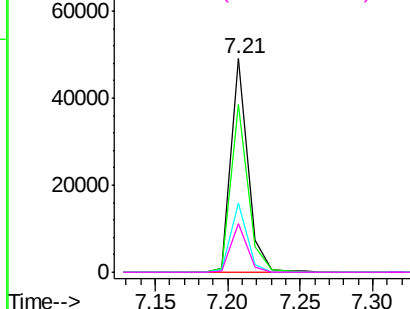


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

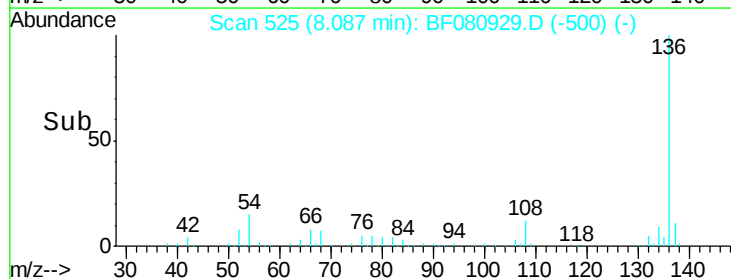
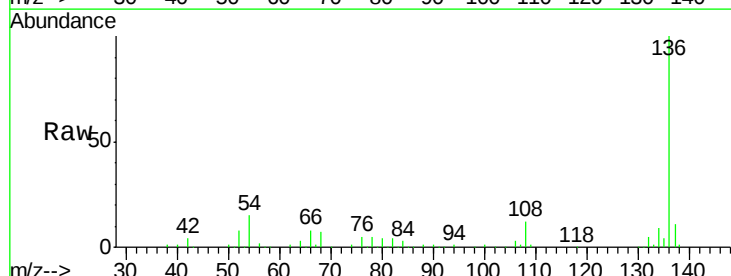
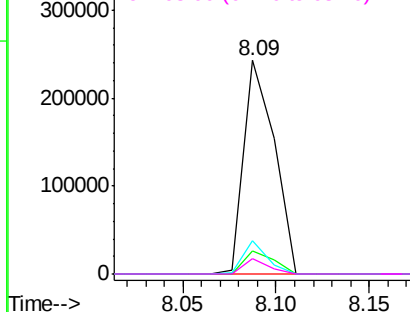
Tgt Ion:	136	Resp:	275982
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	15.4	7.1	10.7#
68	7.5	3.8	5.8#

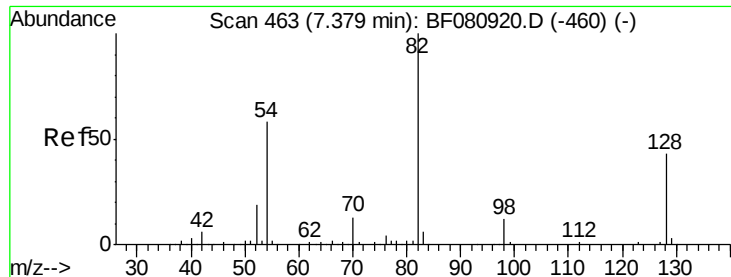
Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.51 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Instrument :

BNA_F

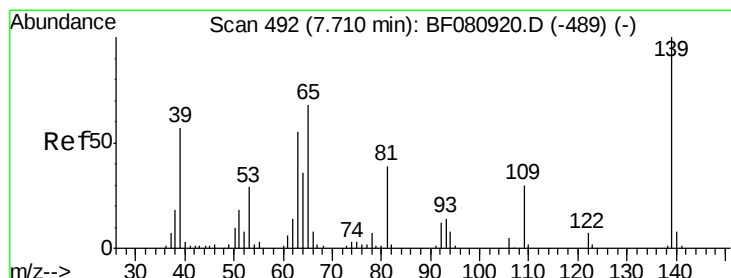
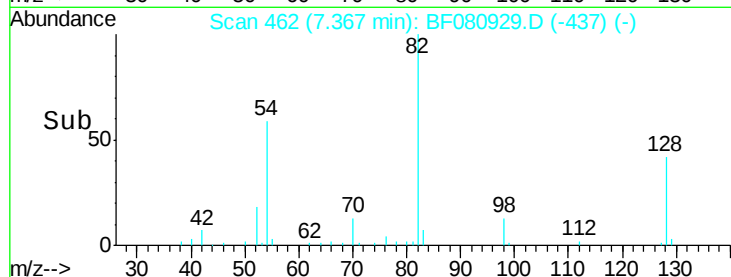
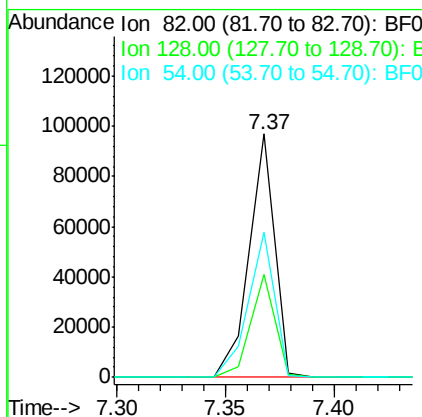
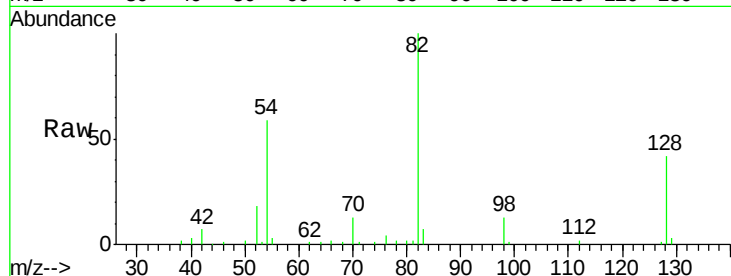
ClientSampleId :

8535DL

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Tot Ion:	82	Resp:	78814
Ion Ratio	Lower	Upper	
82	100		
128	42.0	34.1	51.1
54	59.4	46.5	69.7



#26

2-Nitrophenol

Concen: 22.59 ng

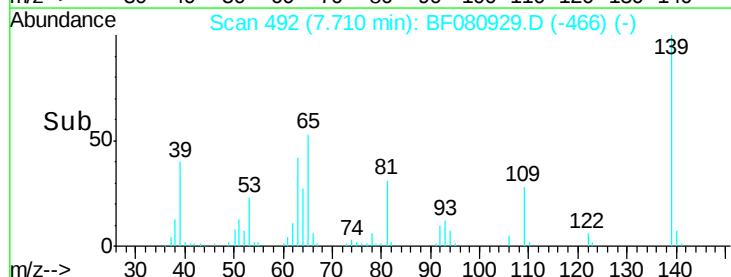
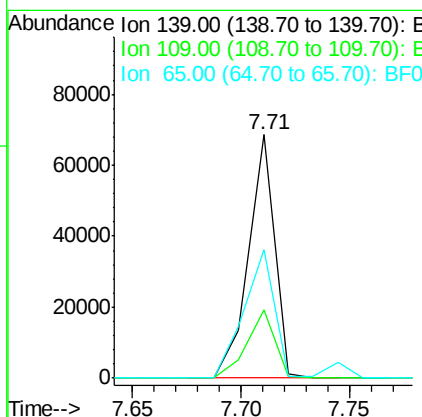
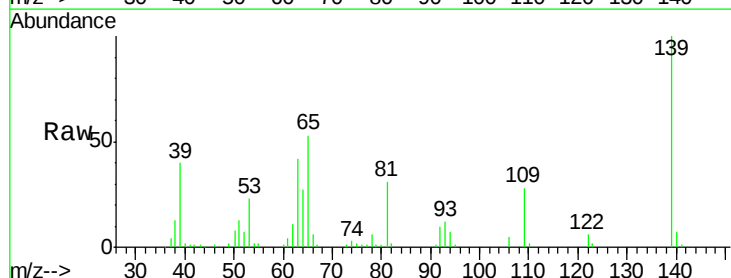
RT: 7.71 min Scan# 492

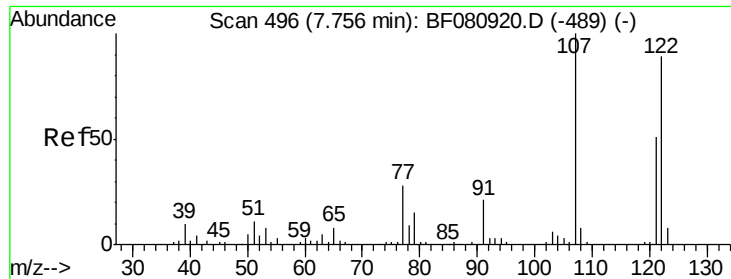
Delta R.T. 0.00 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Tgt Ion:	139	Resp:	57098
Ion Ratio	Lower	Upper	
139	100		
109	28.1	24.1	36.1
65	52.8	54.0	81.0#





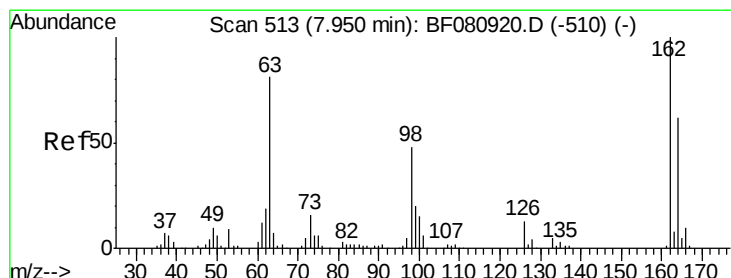
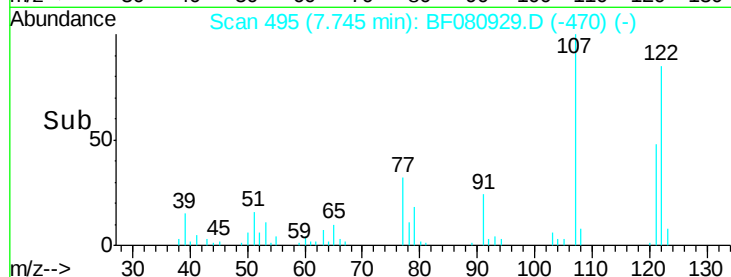
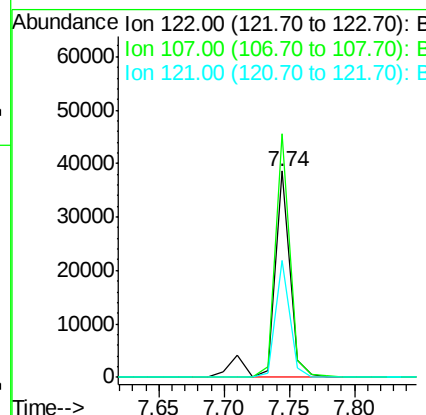
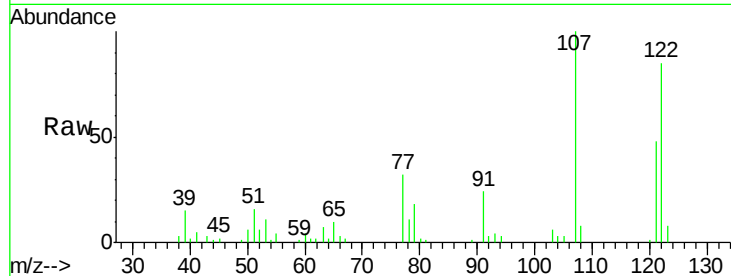
#27
 2,4-Dimethylphenol
 Concen: 7.08 ng
 RT: 7.74 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

Tot Ion	Ratio	Resp	Lower	Upper
122	100	33483		
107	118.2	90.2	135.4	
121	57.0	46.0	69.0	

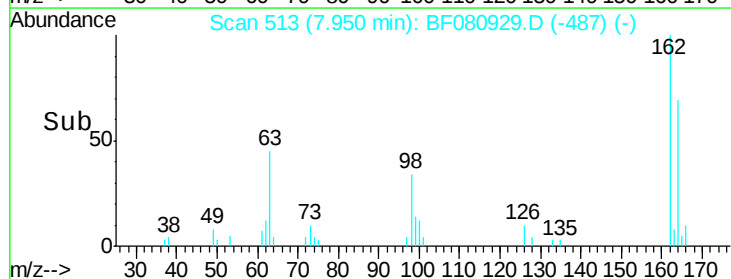
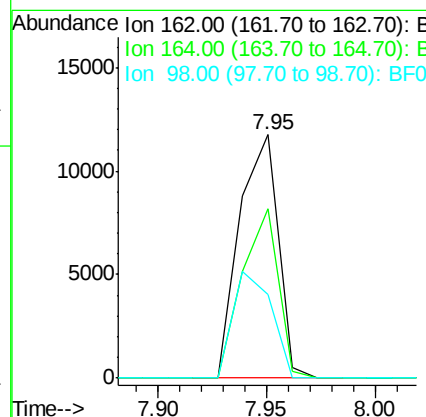
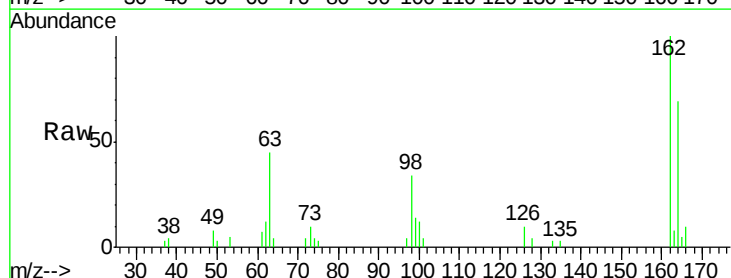
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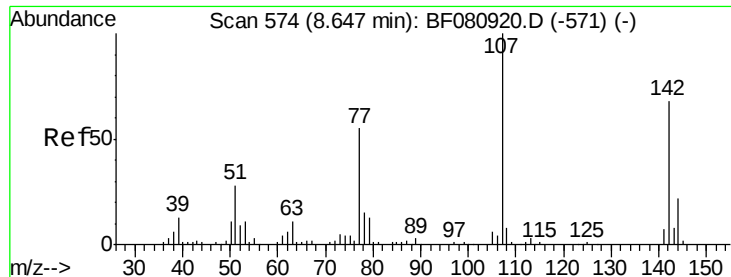
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#29
 2,4-Dichlorophenol
 Concen: 3.71 ng
 RT: 7.95 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	14438		
164	69.3	42.3	82.3	
98	34.5	27.7	67.7	





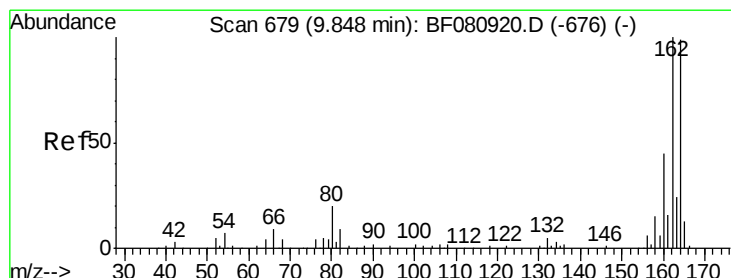
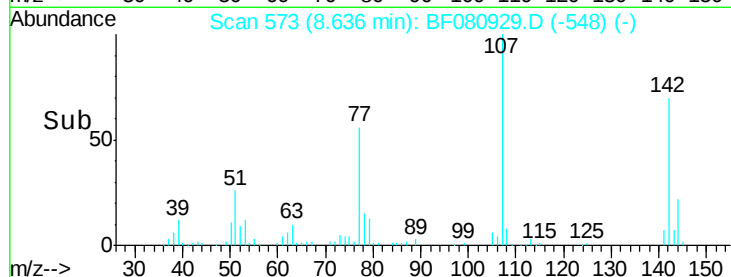
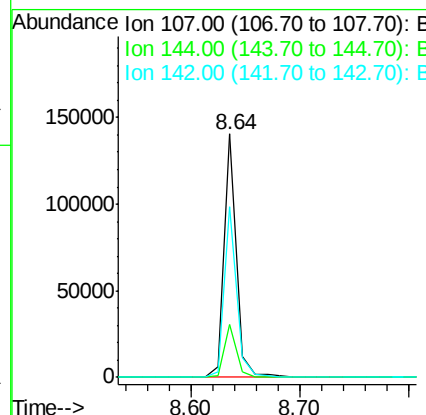
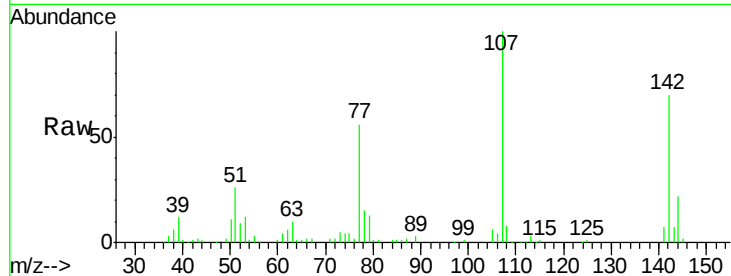
#36
 4-Chloro-3-methylphenol
 Concen: 23.70 ng
 RT: 8.64 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampled :
 8535DL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	112462		
144	21.8	17.3	25.9	
142	70.1	54.4	81.6	

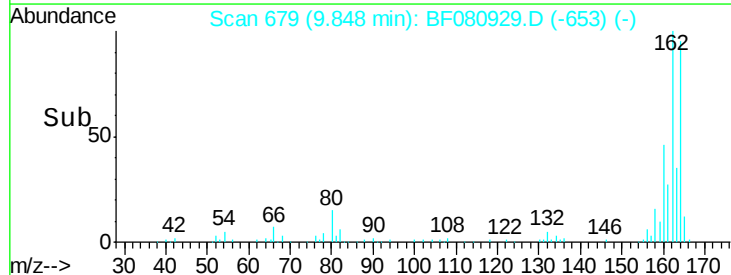
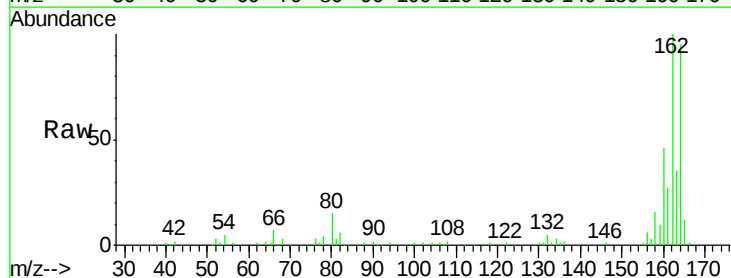
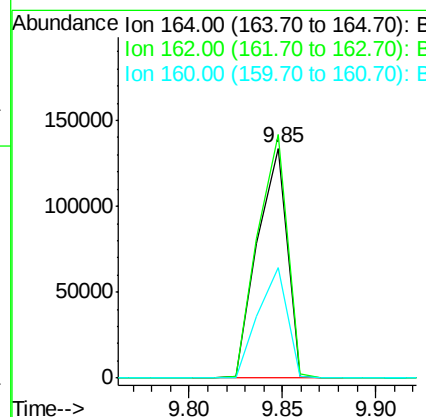
Manual Integrations
 APPROVED

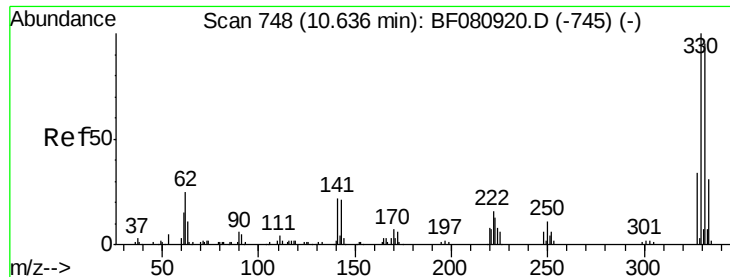
MMDadoda
 8/10/2015 7:19:01 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147238		
162	105.8	80.5	120.7	
160	48.2	36.6	54.8	





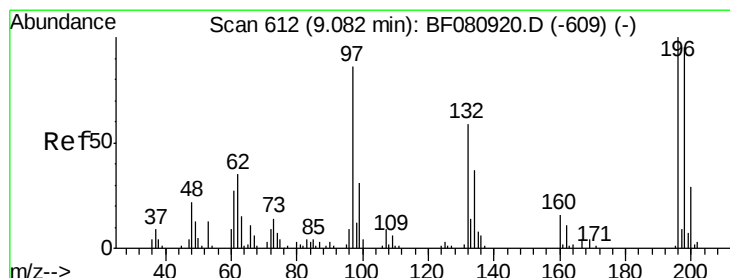
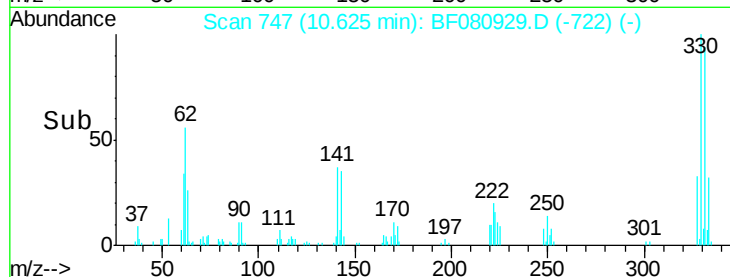
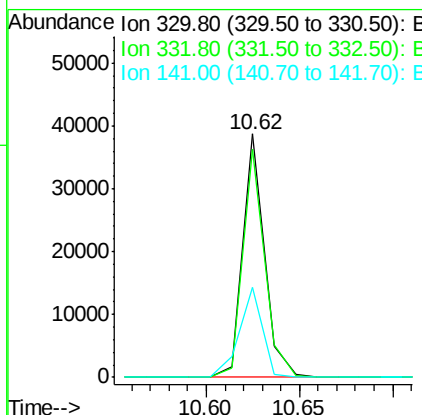
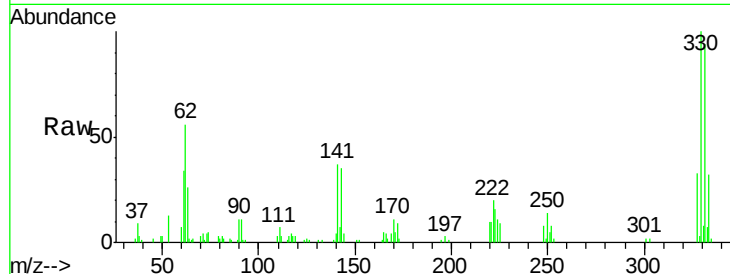
#41
 2,4,6-Tribromophenol
 Concen: 19.42 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampled :
 8535DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	31406		
332	94.7	76.2	114.4	
141	40.0	27.8	41.8	

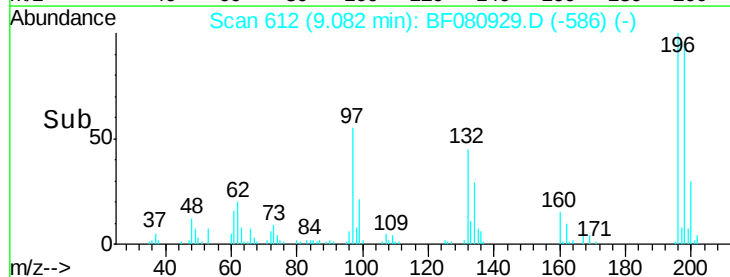
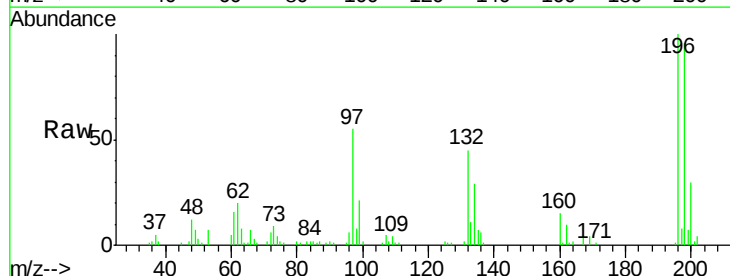
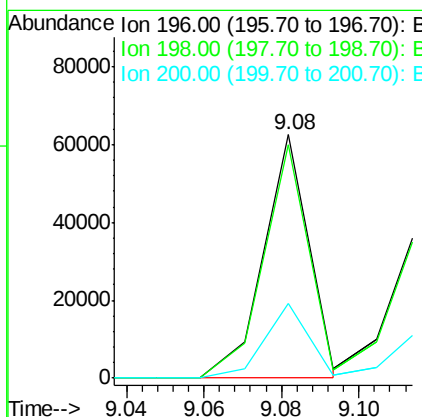
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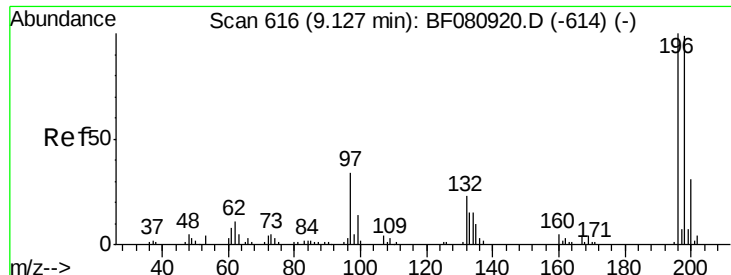
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#42
 2,4,6-Trichlorophenol
 Concen: 15.32 ng m
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	50958		
198	95.9	75.9	113.9	
200	30.5	23.1	34.7	





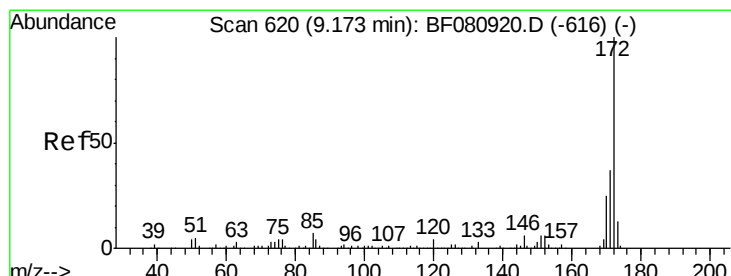
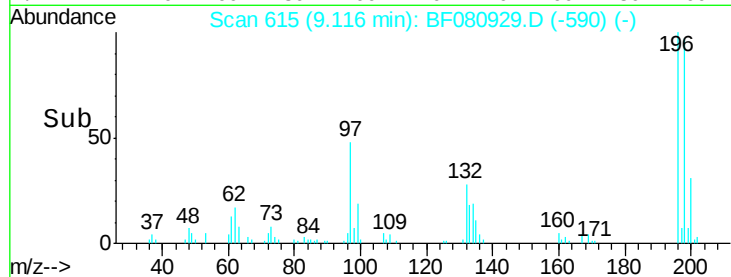
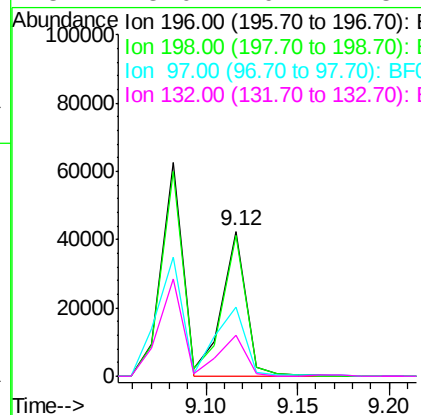
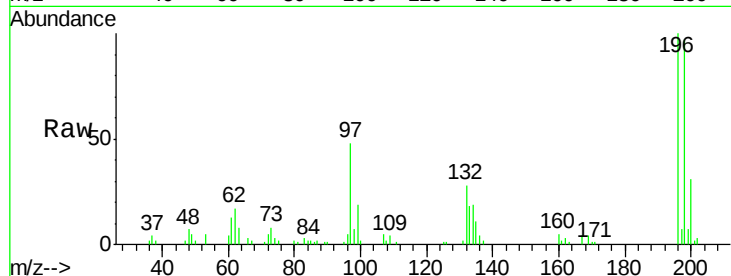
#43
 2,4,5-Trichlorophenol
 Concen: 11.54 ng/ml
 RT: 9.12 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampleID :
 8535DL

Tot Ion	Ratio	Resp	Lower	Upper
196	100	38691		
198	97.2	78.9	118.3	
97	47.9	29.1	43.7	
132	28.0	19.1	28.7	

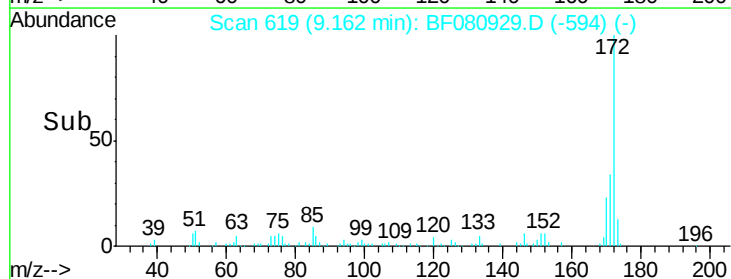
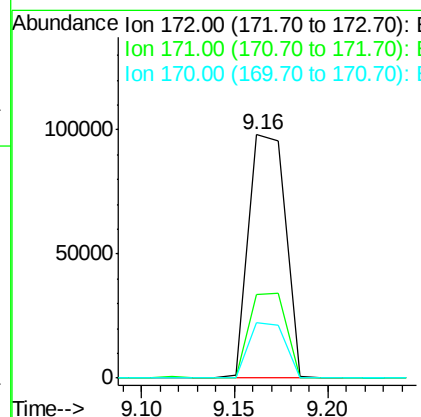
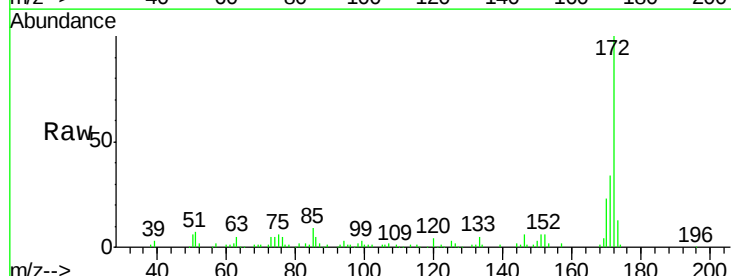
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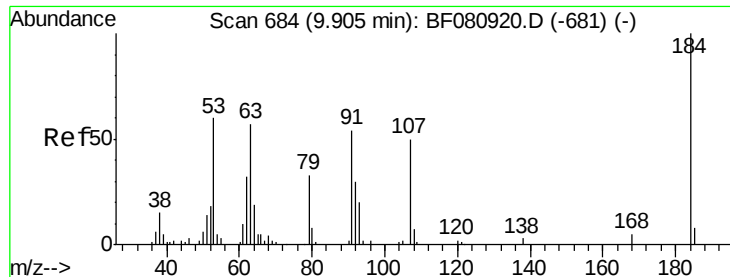
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#44
 2-Fluorobiphenyl
 Concen: 12.81 ng/ml
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	133971		
171	34.2	29.4	44.0	
170	22.5	19.7	29.5	





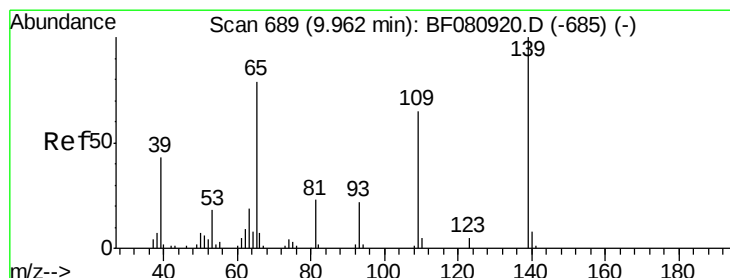
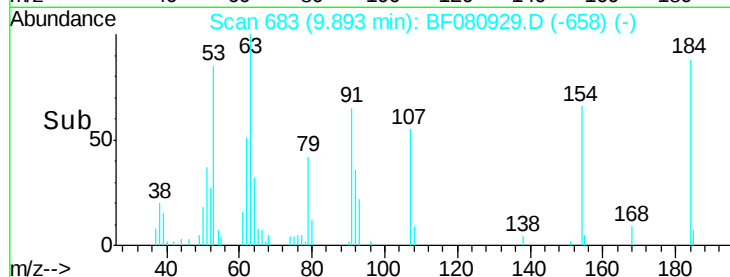
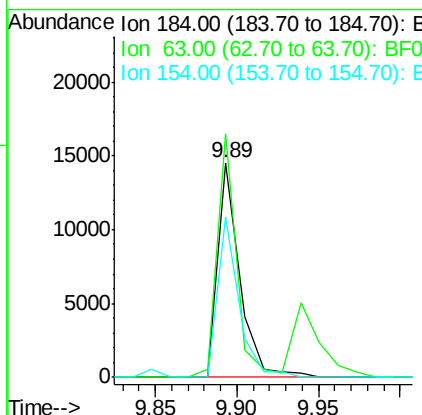
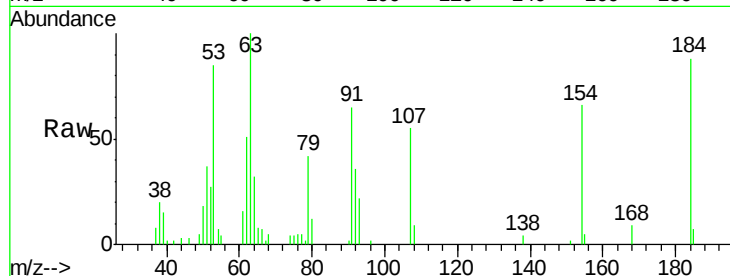
#53
 2,4-Dinitrophenol
 Concen: 14.32 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampleID :
 8535DL

Tot Ion	Ratio	Lower	Upper
184	100		
63	113.6	59.7	89.5#
154	74.9	53.8	80.8

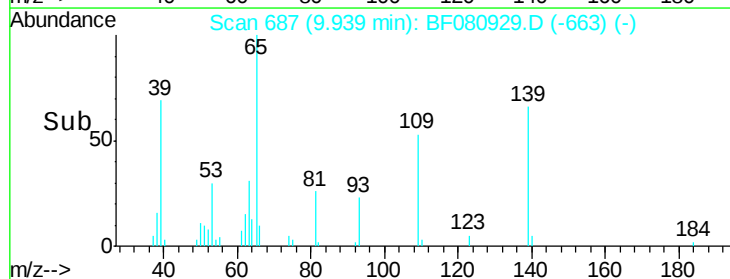
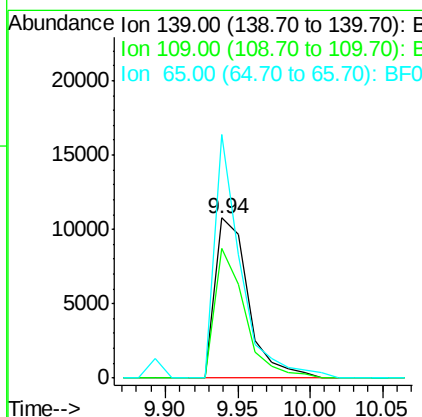
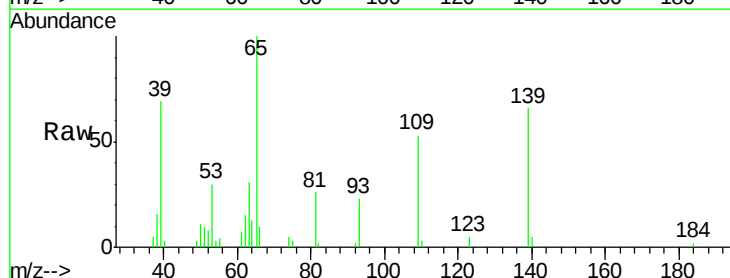
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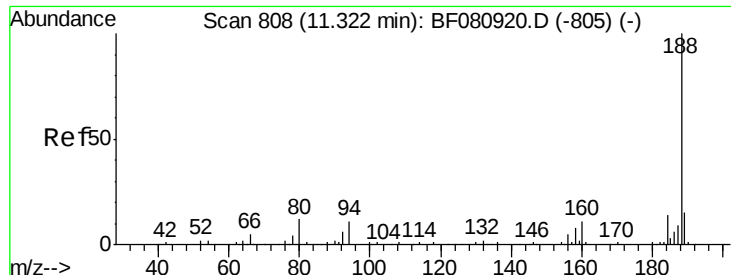
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#55
 4-Nitrophenol
 Concen: 7.34 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	80.5	44.7	84.7
65	151.9	59.5	99.5#





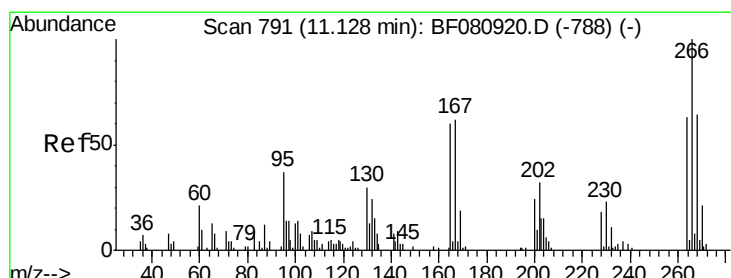
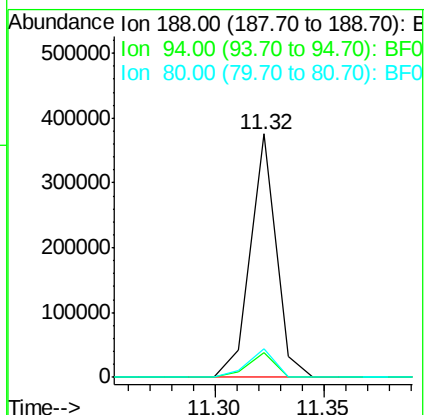
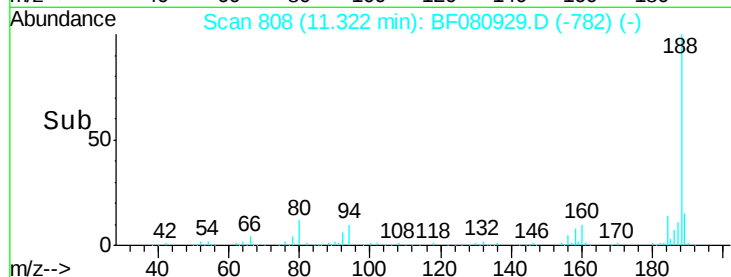
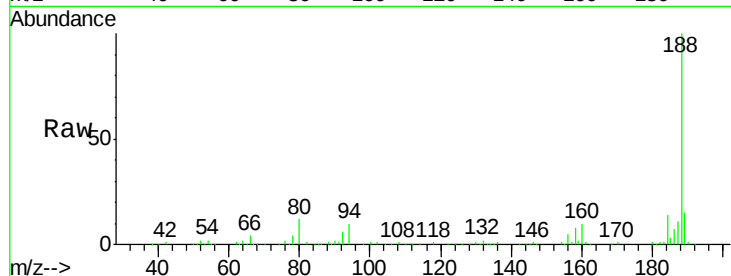
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF080929.D
Acq: 7 Aug 2015 16:21

Instrument :
BNA_F
ClientSampleID :
8535DL

Tot Ion:	188	Resp:	309941
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.8	13.2
80	11.5	9.5	14.3

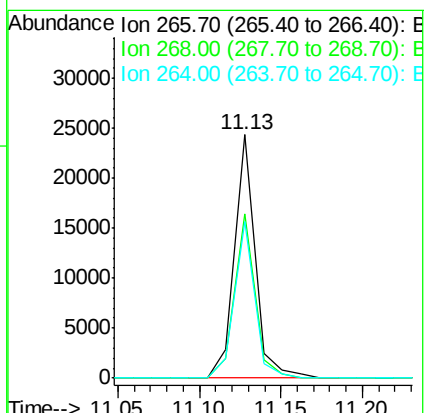
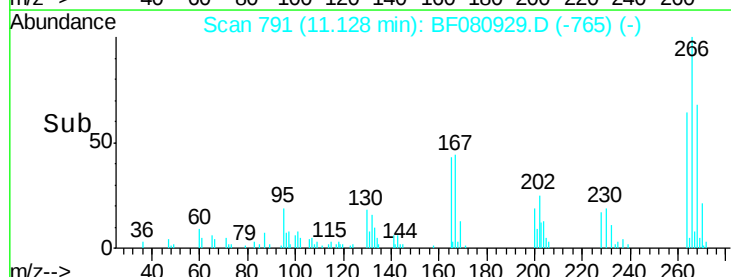
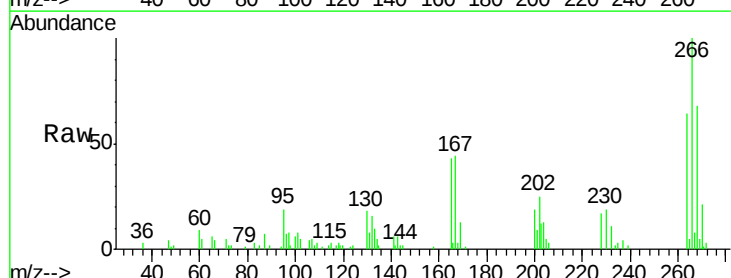
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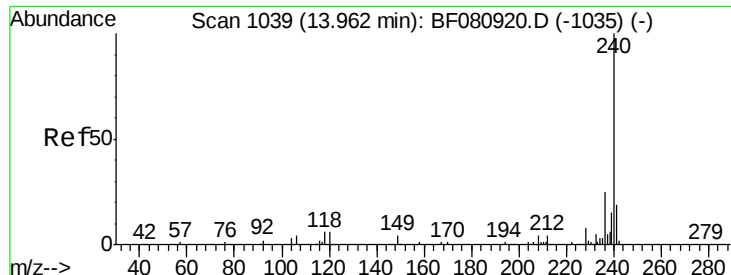
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#69
Pentachlorophenol
Concen: 9.98 ng
RT: 11.13 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF080929.D
Acq: 7 Aug 2015 16:21

Tgt Ion:	266	Resp:	21184
Ion Ratio	Lower	Upper	
266	100		
268	67.7	51.6	77.4
264	64.1	50.1	75.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Instrument :

BNA_F

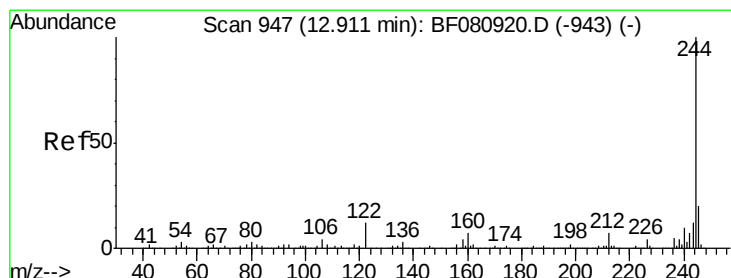
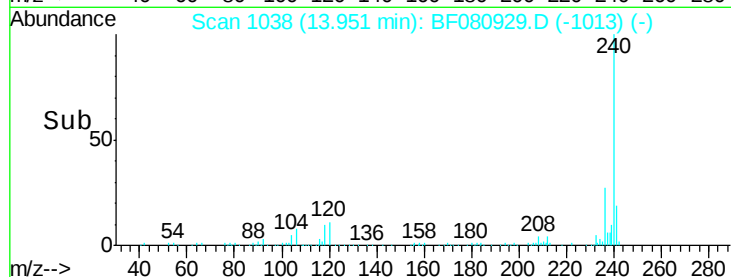
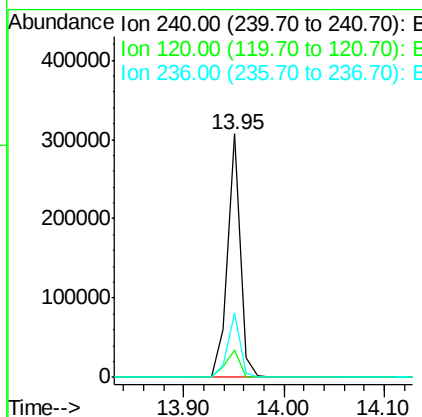
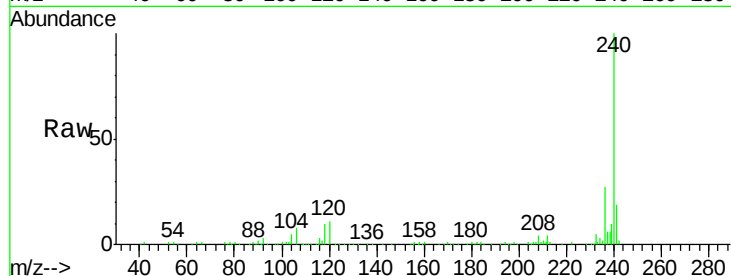
ClientSampleId :

8535DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	5.2	7.8#
236	26.6	20.2	30.4

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#78

Terphenyl-d14

Concen: 12.33 ng

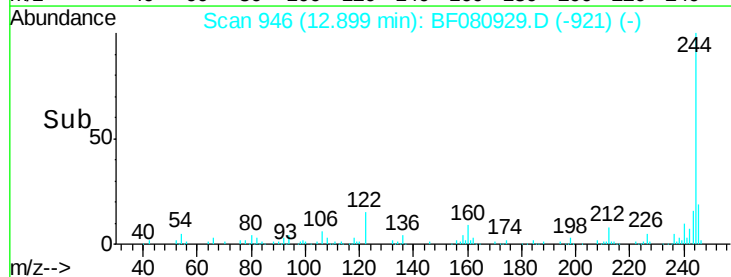
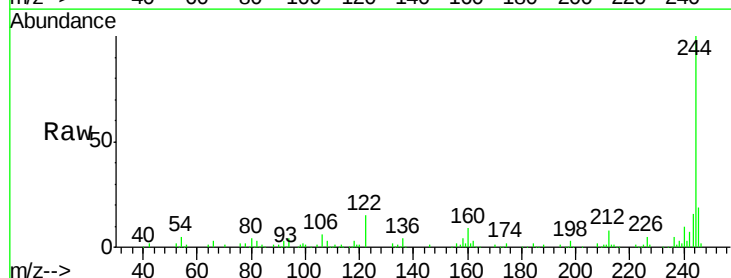
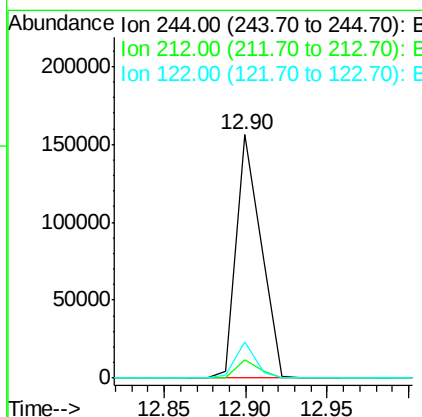
RT: 12.90 min Scan# 946

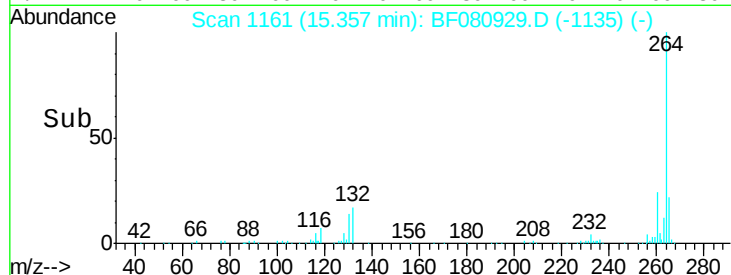
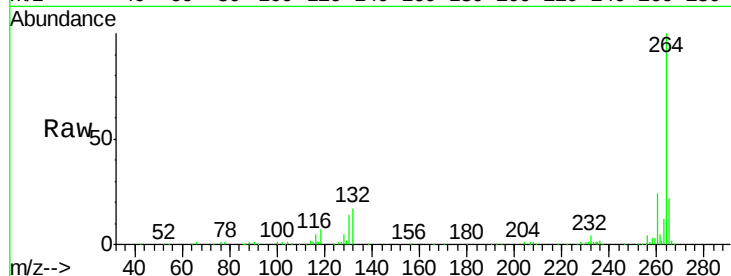
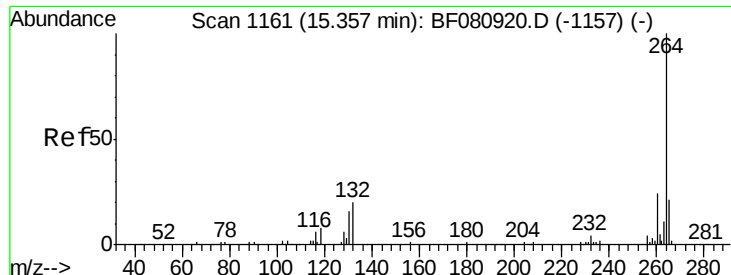
Delta R.T. -0.01 min

Lab File: BF080929.D

Acq: 7 Aug 2015 16:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	15.1	9.4	14.2#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF080929.D
 Acq: 7 Aug 2015 16:21

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

Tot Ion:	264	Resp:	221551
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.0
265	21.7	17.0	25.4

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