

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077612.D
 Acq On : 5 Mar 2015 8:18
 Operator : TP/IZ
 Sample : G1332-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Manual Integrations
 APPROVED

mohammad
 3/5/2015 2:11:39 PM

Quant Time: Mar 05 12:47:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 13:27:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	100524	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	410179	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	206375	20.00	ng	0.00
63) Phenanthrene-d10	12.82	188	393391	20.00	ng	0.00
75) Chrysene-d12	16.12	240	361643	20.00	ng	0.01
86) Perylene-d12	17.87	264	343405	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	427840	71.05	ng	0.00
7) Phenol-d6	6.79	99	547973	70.78	ng	0.00
23) Nitrobenzene-d5	7.92	82	322653	48.92	ng	0.00
41) 2,4,6-Tribromophenol	11.96	330	133794	67.33	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	641442	48.46	ng	0.00
78) Terphenyl-d14	14.82	244	664297	42.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.16	88	50803	19.88	ng	96
3) Pyridine	2.91	79	114379	15.65	ng	95
4) n-Nitrosodimethylamine	2.80	42	59080	18.59	ng	94
6) Aniline	6.82	93	58239	5.44	ng	# 85
8) 2-Chlorophenol	6.96	128	154164	21.70	ng	93
9) Benzaldehyde	6.67	77	28760	6.12	ng	94
10) Phenol	6.81	94	200137	21.79	ng	91
11) bis(2-Chloroethyl)ether	6.91	93	133274	20.19	ng	87
12) 1,3-Dichlorobenzene	7.15	146	166746	21.56	ng	# 92
13) 1,4-Dichlorobenzene	7.25	146	161093	20.47	ng	96
14) 1,2-Dichlorobenzene	7.43	146	154173	20.60	ng	96
15) Benzyl Alcohol	7.41	79	118328	20.11	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.58	45	198703	21.06	ng	97
17) 2-Methylphenol	7.55	107	117072	21.09	ng	96
18) Hexachloroethane	7.85	117	50739	19.31	ng	97
19) n-Nitroso-di-n-propylamine	7.74	70	104667	21.29	ng	# 88
20) 3+4-Methylphenols	7.75	107	157352	21.52	ng	# 73
22) Acetophenone	7.73	105	211083	21.88	ng	# 84
24) Nitrobenzene	7.94	77	155951	22.47	ng	90
25) Isophorone	8.24	82	281918	21.54	ng	94
26) 2-Nitrophenol	8.33	139	62447	21.95	ng	# 88
27) 2,4-Dimethylphenol	8.40	122	134783	21.18	ng	98
28) bis(2-Chloroethoxy)methane	8.52	93	177224	21.44	ng	99
29) 2,4-Dichlorophenol	8.63	162	126147	21.12	ng	98
30) 1,2,4-Trichlorobenzene	8.73	180	129719	19.75	ng	97
31) Naphthalene	8.83	128	435452	21.23	ng	99
32) Benzoic acid	8.50	122	45627	14.75	ng	93
33) 4-Chloroaniline	8.90	127	68222	7.48	ng	# 92
34) Hexachlorobutadiene	8.98	225	75597	20.16	ng	99
35) Caprolactam	9.33	113	37071	20.33	ng	98
36) 4-Chloro-3-methylphenol	9.51	107	127160	21.17	ng	90
37) 2-Methylnaphthalene	9.69	142	315147	21.63	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.89	216	133707	22.58	ng	98
40) Hexachlorocyclopentadiene	9.88	237	34026	10.72	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	10.04	196	90772	23.15	ng	97
43) 2,4,5-Trichlorophenol	10.09	196	96818	23.09	ng	96
45) 1,1'-Biphenyl	10.27	154	357673	22.88	ng	99
46) 2-Chloronaphthalene	10.29	162	274820	22.41	ng	94
47) 2-Nitroaniline	10.42	65	86055	28.51	ng	# 79
48) Acenaphthylene	10.80	152	436328	22.48	ng	99
49) Dimethylphthalate	10.66	163	355755	24.52	ng	98
50) 2,6-Dinitrotoluene	10.73	165	67334	23.15	ng	# 64
51) Acenaphthene	11.01	154	256563	22.15	ng	100
52) 3-Nitroaniline	10.93	138	65554	19.54	ng	# 79
53) 2,4-Dinitrophenol	11.06	184	6311	7.13	ng	# 49
54) Dibenzofuran	11.23	168	401986	22.48	ng	100
55) 4-Nitrophenol	11.15	139	126611	46.93	ng	83
56) 2,4-Dinitrotoluene	11.22	165	80850	20.57	ng	# 57
57) Fluorene	11.65	166	324593	22.70	ng	97
58) 2,3,4,6-Tetrachlorophenol	11.38	232	76058	22.56	ng	# 94
59) Diethylphthalate	11.53	149	317393	22.19	ng	96
60) 4-Chlorophenyl-phenylether	11.66	204	147401	21.39	ng	95
61) 4-Nitroaniline	11.68	138	76972	23.94	ng	93
62) Azobenzene	11.86	77	308360	22.73	ng	98
64) 4,6-Dinitro-2-methylphenol	11.73	198	6373	7.46	ng	# 1
65) n-Nitrosodiphenylamine	11.81	169	300688	23.04	ng	100
66) 4-Bromophenyl-phenylether	12.27	248	91505	19.86	ng	97
67) Hexachlorobenzene	12.33	284	92093	18.63	ng	# 91
68) Atrazine	12.49	200	89447	21.08	ng	96
69) Pentachlorophenol	12.58	266	100267	38.58	ng	99
70) Phenanthrene	12.85	178	508575	22.31	ng	98
71) Anthracene	12.91	178	467386	20.66	ng	99
72) Carbazole	13.12	167	438361	20.38	ng	98
73) Di-n-butylphthalate	13.57	149	504724	19.98	ng	99
74) Fluoranthene	14.33	202	489154	19.64	ng	97
76) Benzidine	14.51	184	187465	15.34	ng	# 90
77) Pyrene	14.61	202	508911	23.00	ng	98
79) Butylbenzylphthalate	15.44	149	200486	22.03	ng	88
80) Benzo(a)anthracene	16.11	228	464008	21.89	ng	99
81) 3,3'-Dichlorobenzidine	16.08	252	71894	9.26	ng	# 91
82) Chrysene	16.15	228	417262	20.97	ng	98
83) Bis(2-ethylhexyl)phthalate	16.16	149	294642	20.19	ng	96
84) Di-n-octyl phthalate	16.96	149	509211	20.90	ng	# 76
85) Indeno(1,2,3-cd)pyrene	19.31	276	509136	22.44	ng	98
87) Benzo(b)fluoranthene	17.42	252	461065	23.09	ng	# 82
88) Benzo(k)fluoranthene	17.45	252	353415m	18.06	ng	
89) Benzo(a)pyrene	17.80	252	406439	21.37	ng	# 87
90) Dibenzo(a,h)anthracene	19.33	278	415760	22.92	ng	97
91) Benzo(g,h,i)perylene	19.73	276	425808	23.26	ng	96

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



#1

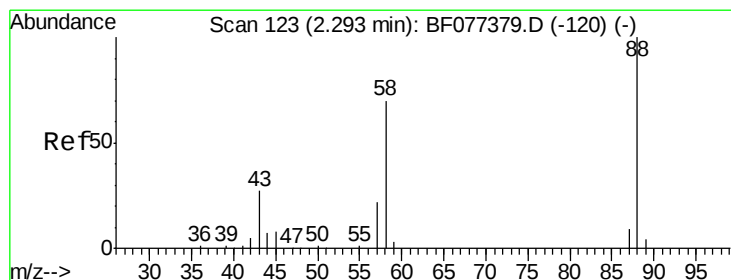
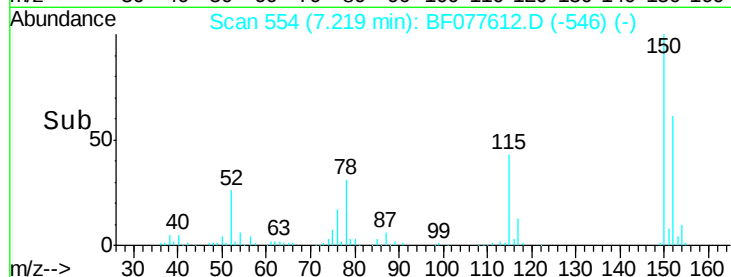
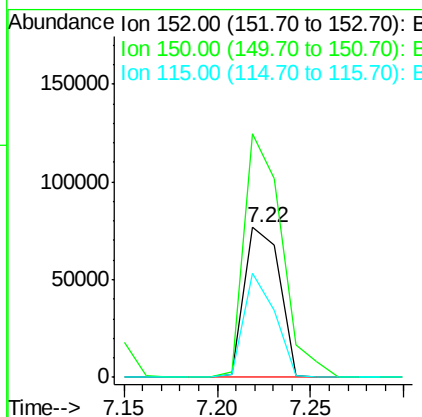
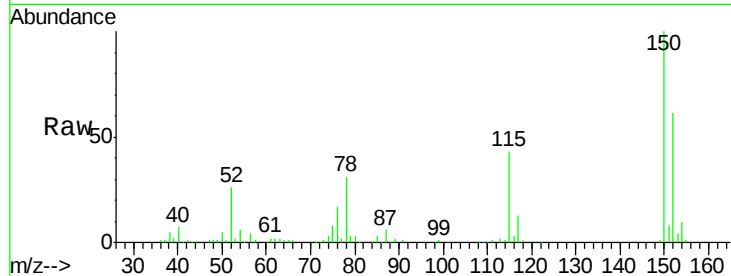
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.0	186.0
115	69.9	49.4	74.2

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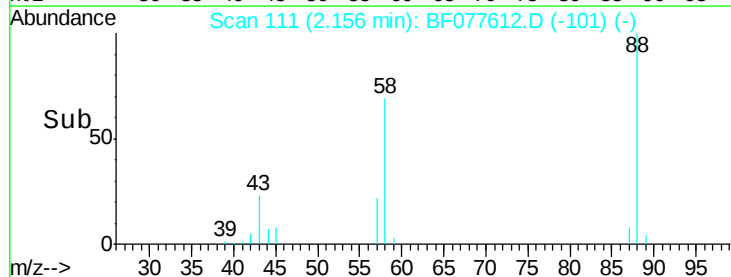
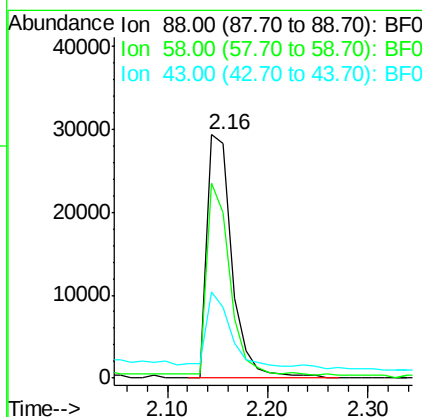
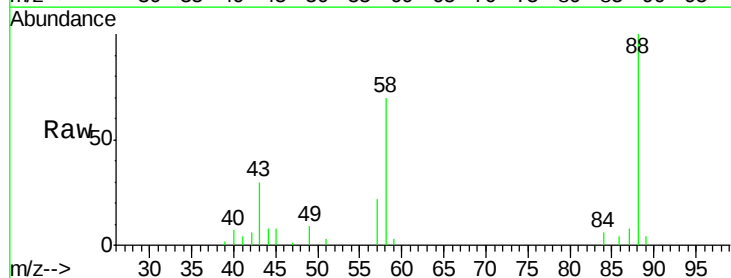
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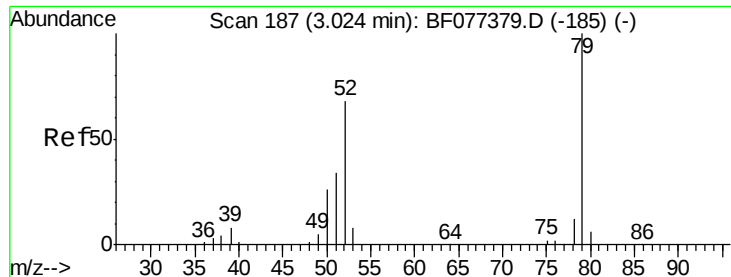


#2

1,4-Dioxane
Concen: 19.88 ng
RT: 2.16 min Scan# 111
Delta R.T. 0.02 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.3	62.1	93.1
43	28.3	24.0	36.0





#3

Pyridine

Concen: 15.65 ng

RT: 2.91 min Scan# 177

Delta R.T. 0.04 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

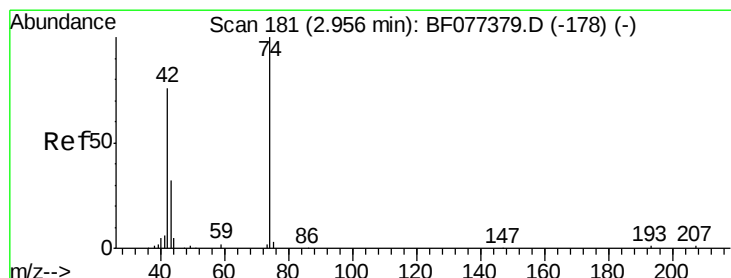
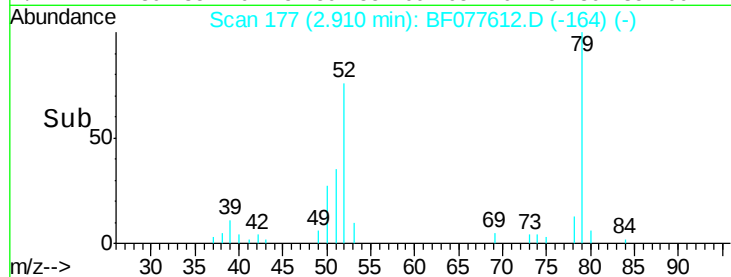
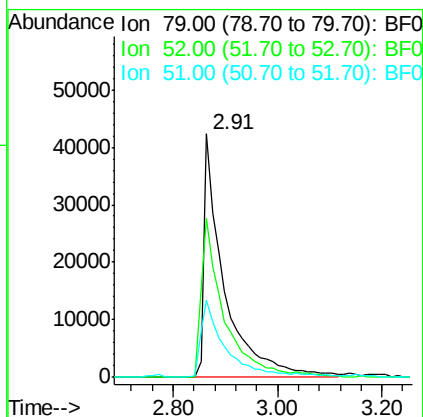
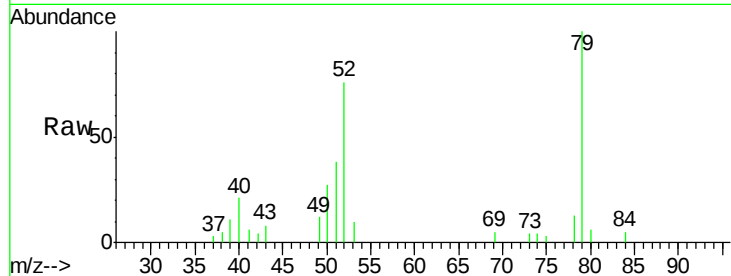
ClientSampleId :

VMA-2MSD

Tgt Ion:	79	Resp:	114379
Ion	Ratio	Lower	Upper
79	100		
52	76.1	57.7	86.5
51	38.0	28.5	42.7

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 18.59 ng

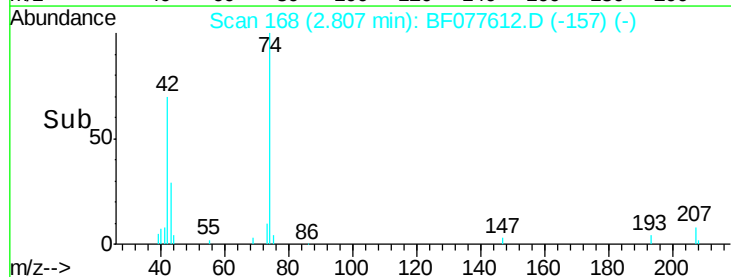
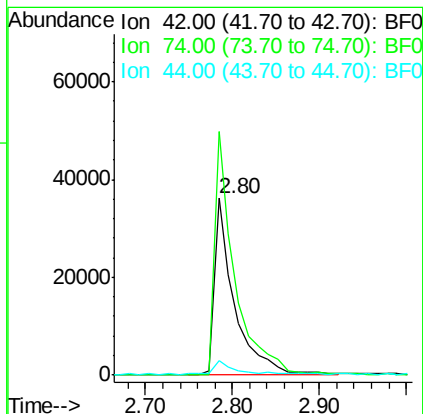
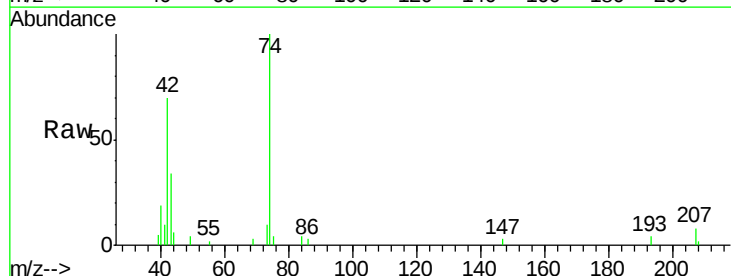
RT: 2.80 min Scan# 168

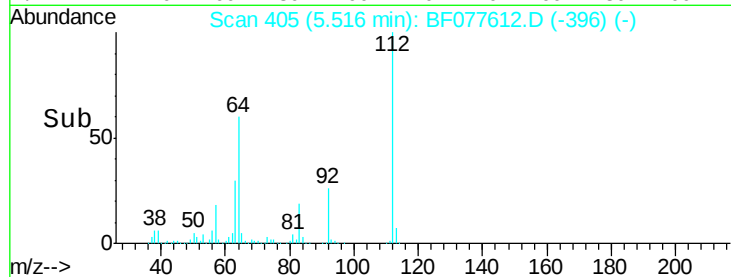
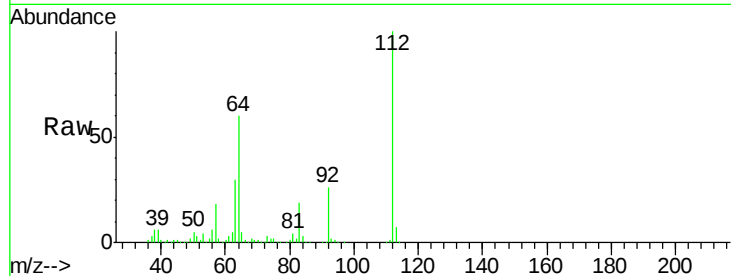
Delta R.T. 0.02 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	42	Resp:	59080
Ion	Ratio	Lower	Upper
42	100		
74	141.9	107.1	160.7
44	8.1	6.7	10.1





#5

2-Fluorophenol

Concen: 71.05 ng

RT: 5.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF077612.D

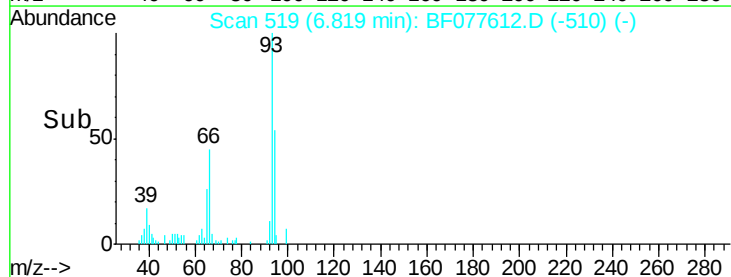
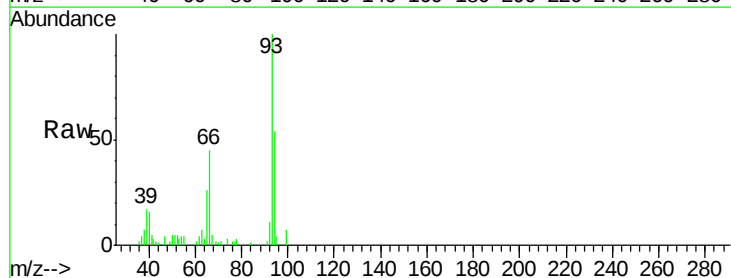
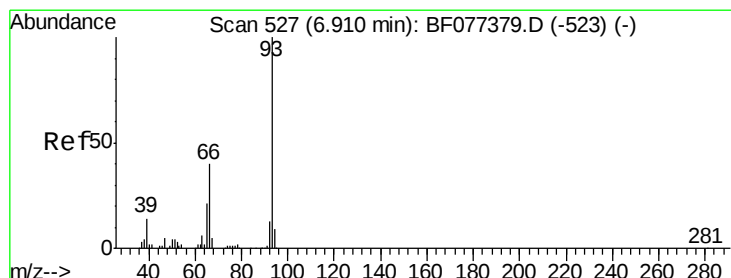
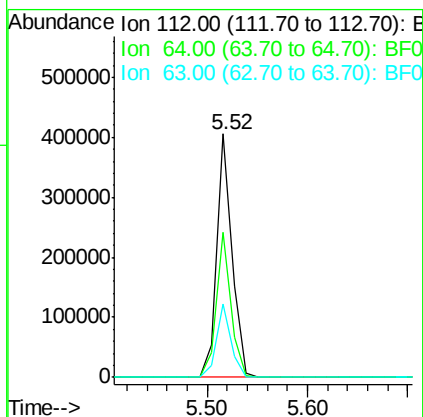
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	427840		
64	59.6	48.5	72.7	
63	30.3	25.0	37.4	

Instrument :
BNA_F
ClientSampled :
VMA-2MSD

Manual Integrations
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#6

Aniline

Concen: 5.44 ng

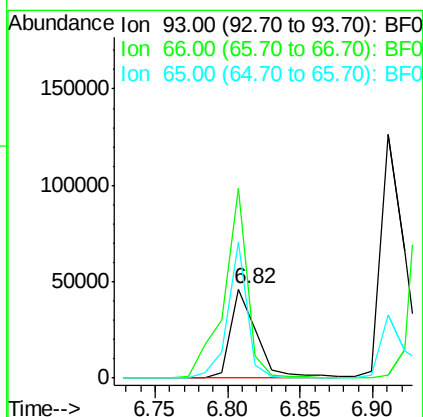
RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	58239		
66	45.0	29.1	43.7#	
65	25.9	14.6	22.0#	





#7

Phenol-d6

Concen: 70.78 ng

RT: 6.79 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

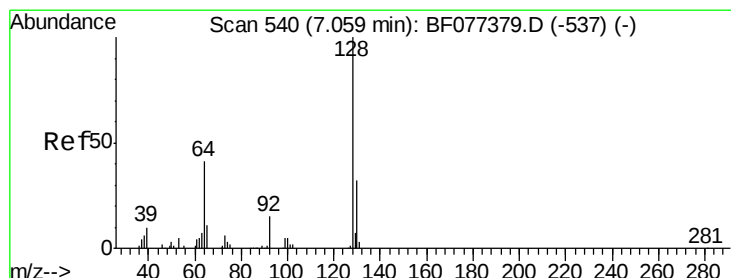
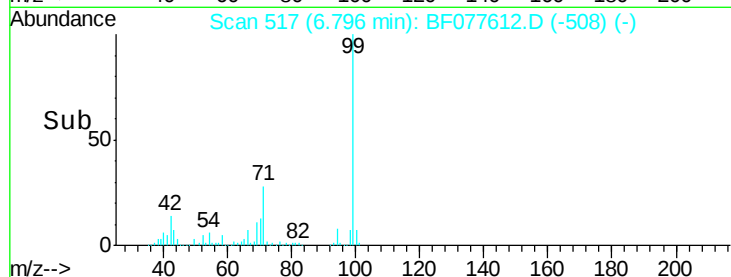
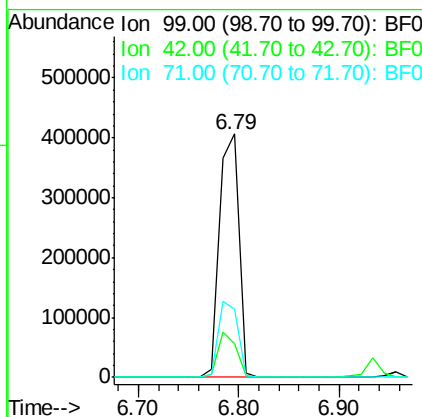
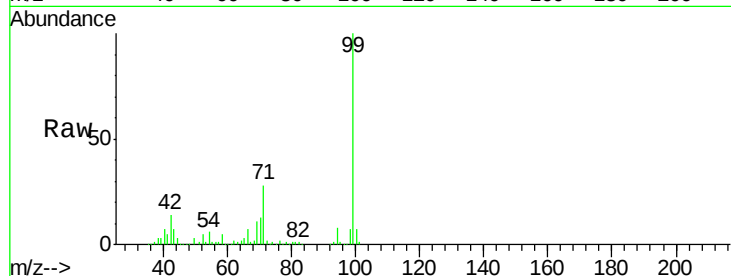
ClientSampled :

VMA-2MSD

Tgt Ion:	99	Resp:	547973
Ion Ratio	Lower	Upper	
99	100		
42	14.0	16.2	24.4#
71	27.8	26.7	40.1

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#8

2-Chlorophenol

Concen: 21.70 ng

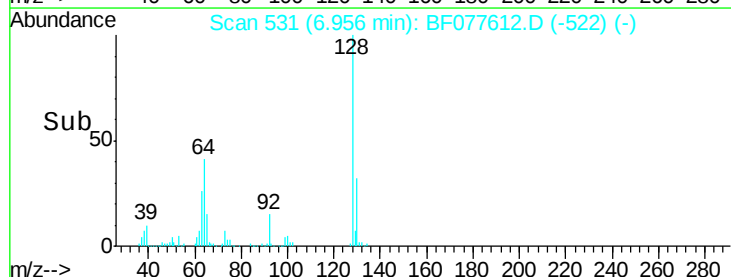
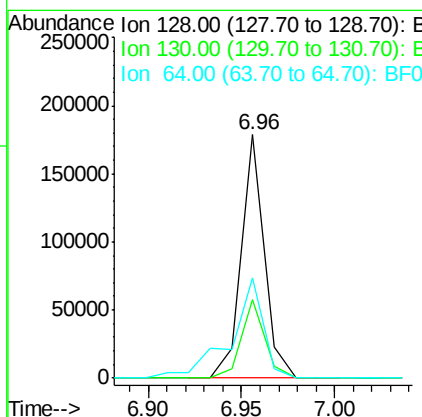
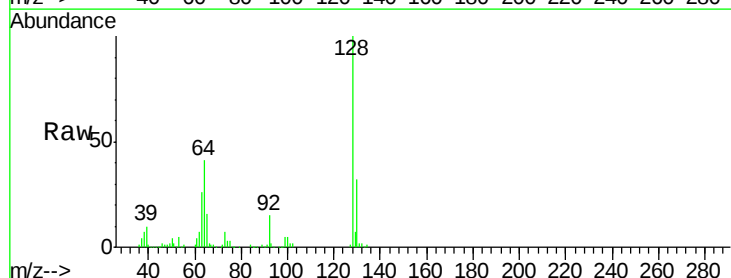
RT: 6.96 min Scan# 531

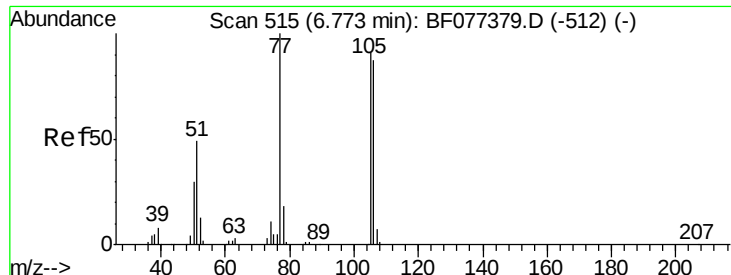
Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	128	Resp:	154164
Ion Ratio	Lower	Upper	
128	100		
130	32.4	12.0	52.0
64	41.2	29.2	69.2





#9

Benzaldehyde

Concen: 6.12 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

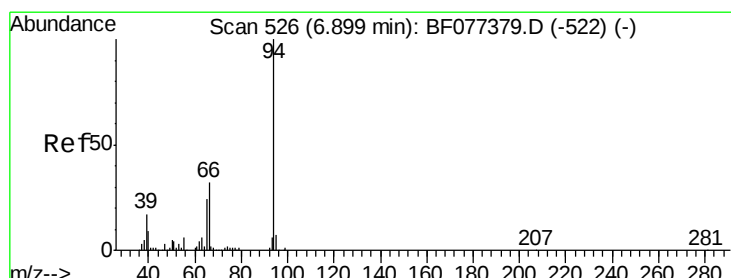
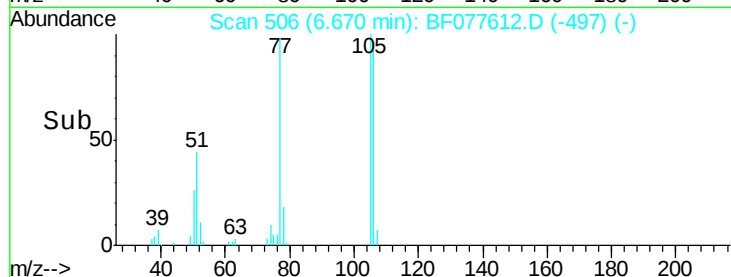
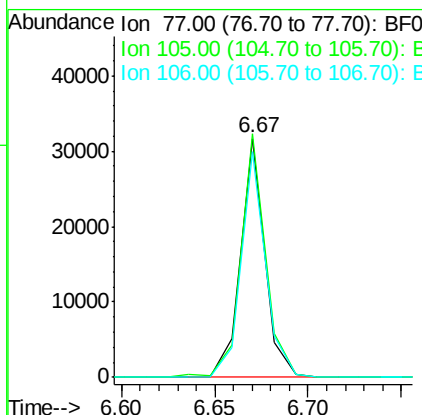
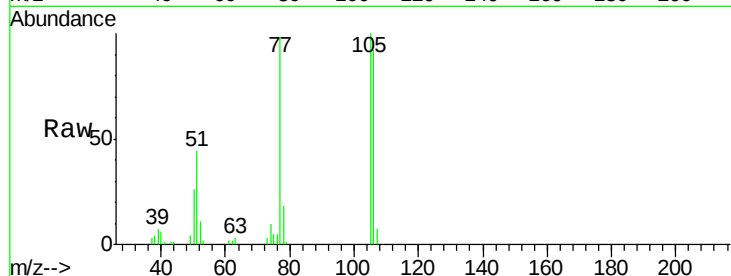
ClientSampleId :

VMA-2MSD

Tgt Ion:	77	Resp:	28760
Ion Ratio	Lower	Upper	
77	100		
105	101.8	85.9	125.9
106	94.1	82.9	122.9

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#10

Phenol

Concen: 21.79 ng

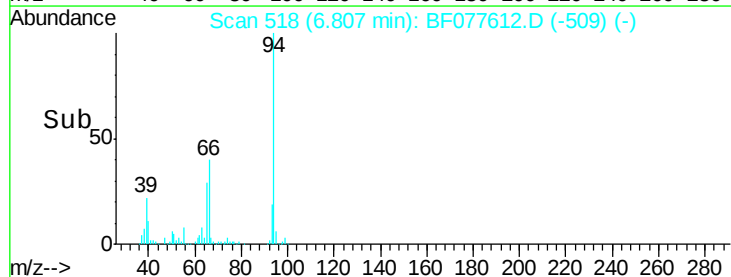
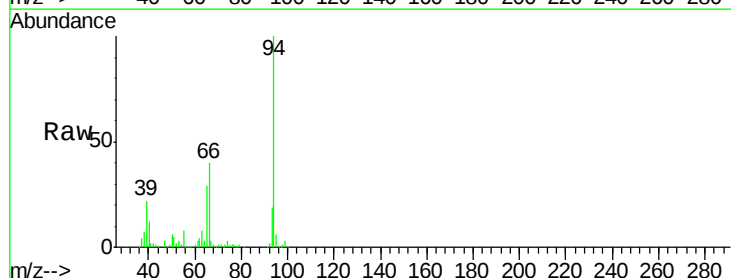
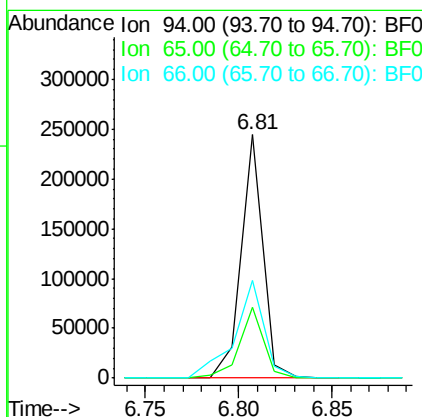
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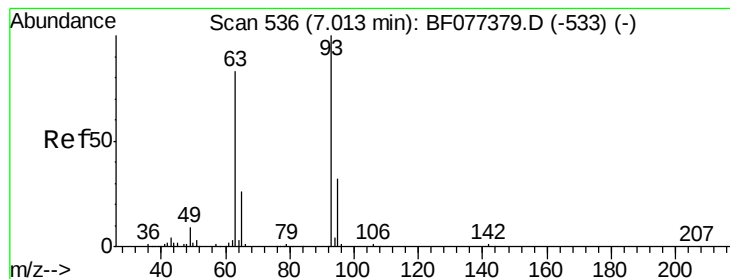
Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	94	Resp:	200137
Ion Ratio	Lower	Upper	
94	100		
65	28.9	5.7	45.7
66	40.3	13.6	53.6





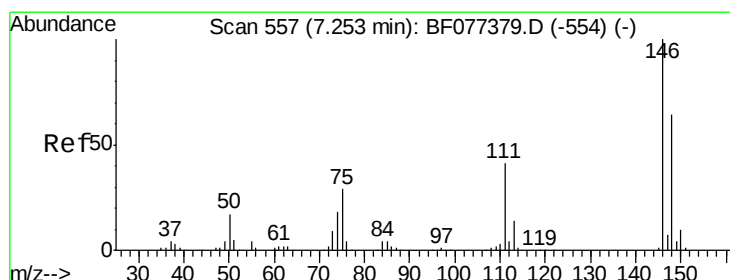
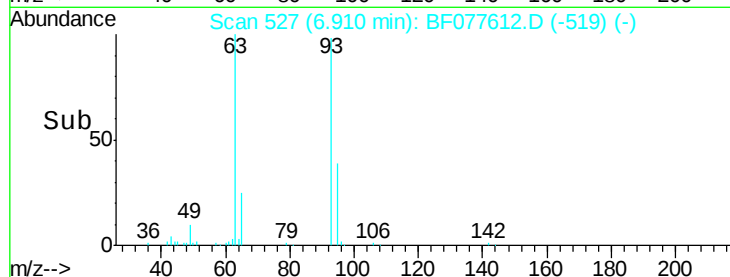
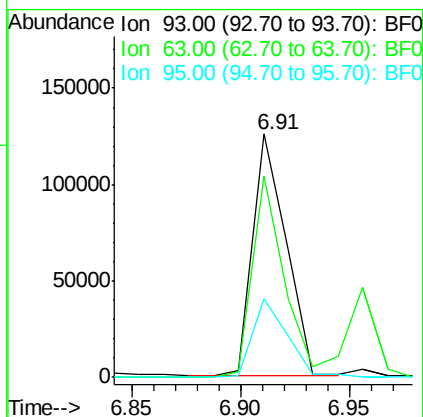
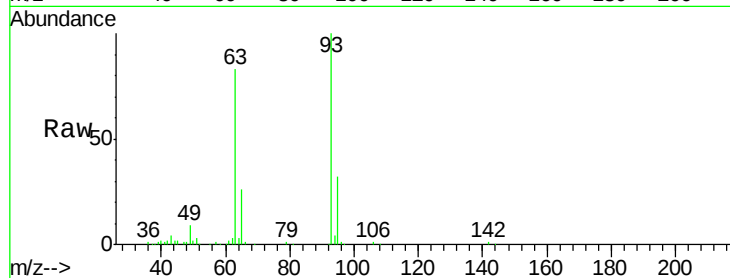
#11
bis(2-Chloroethyl)ether
Concen: 20.19 ng
RT: 6.91 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
63	82.8	48.7	88.7
95	32.0	13.6	53.6

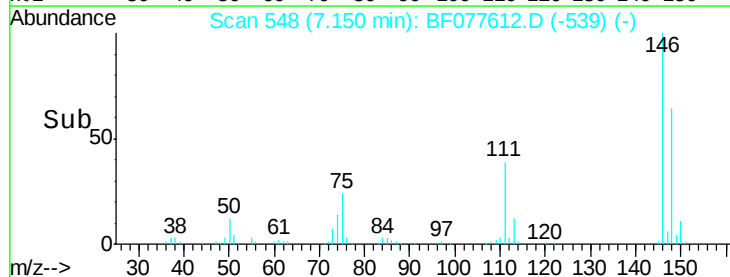
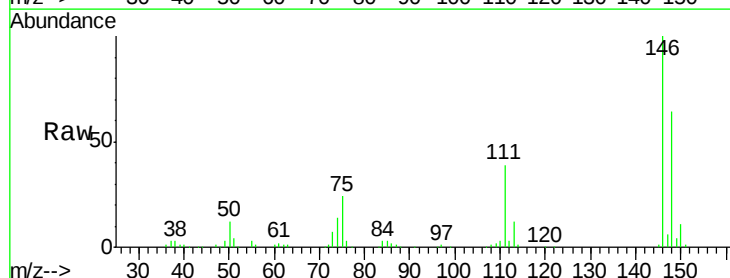
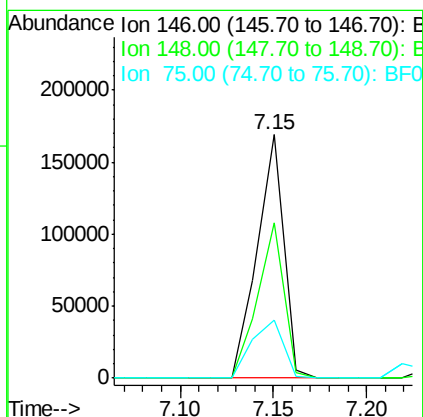
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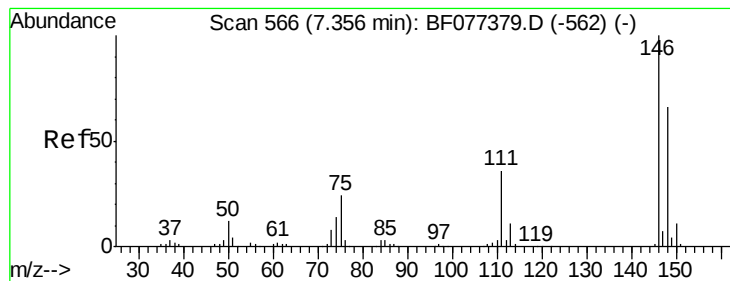
mohammad
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#12
1,3-Dichlorobenzene
Concen: 21.56 ng
RT: 7.15 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	63.8	49.8	74.8
75	23.8	28.2	42.4





#13

1,4-Dichlorobenzene

Concen: 20.47 ng

RT: 7.25 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

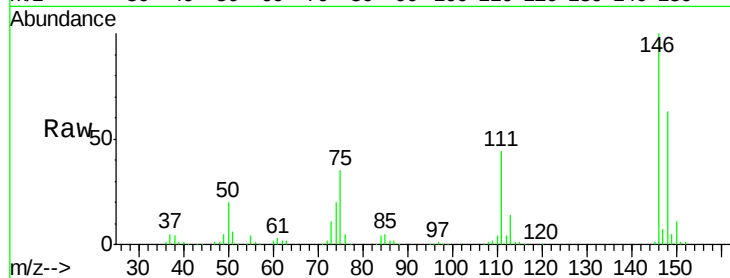
ClientSampleId :

VMA-2MSD

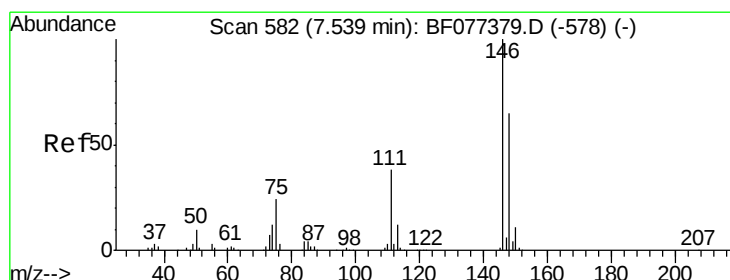
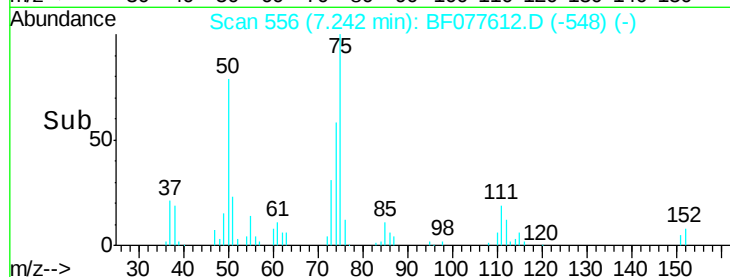
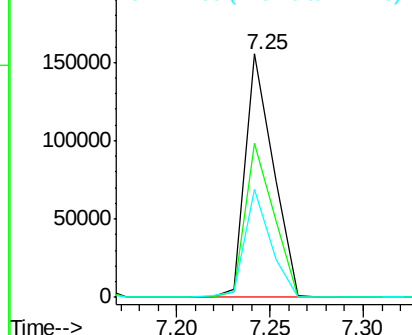
Tgt Ion:	146	Resp:	161093
Ion Ratio	Lower	Upper	
146	100		
148	63.2	52.0	78.0
111	44.3	31.9	47.9

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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: 20.60 ng

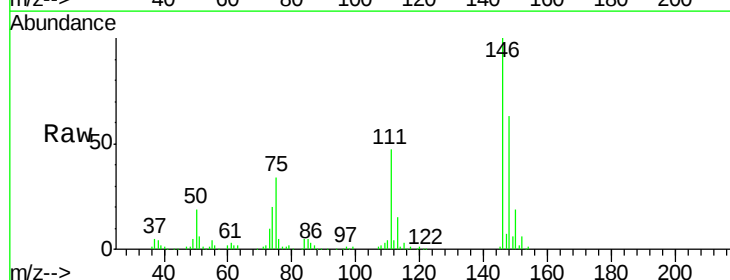
RT: 7.43 min Scan# 572

Delta R.T. -0.00 min

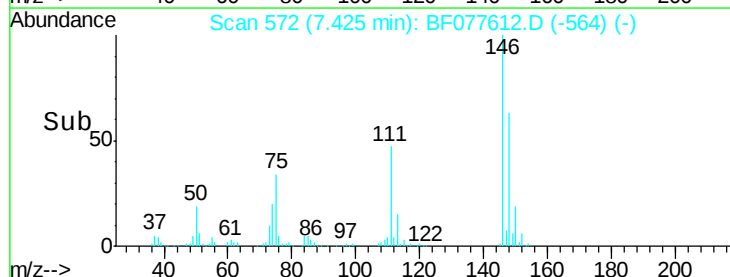
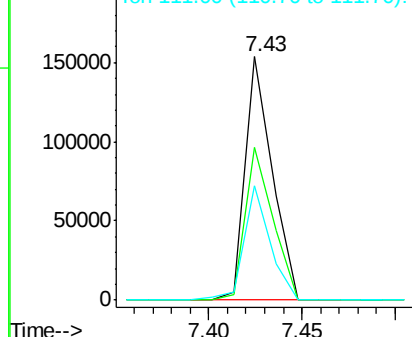
Lab File: BF077612.D

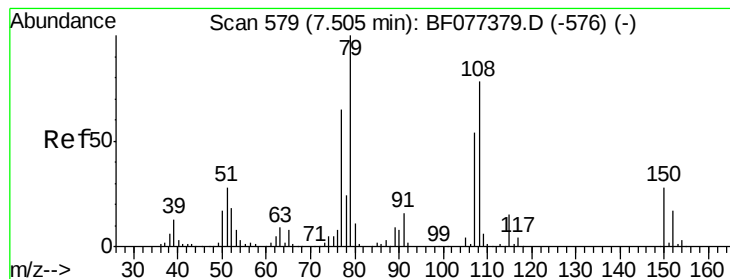
Acq: 5 Mar 2015 8:18

Tgt Ion:	146	Resp:	154173
Ion Ratio	Lower	Upper	
146	100		
148	62.7	51.6	77.4
111	46.8	34.2	51.2



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





#15

Benzyl Alcohol

Concen: 20.11 ng

RT: 7.41 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

ClientSampleId :

VMA-2MSD

Tgt Ion: 79 Resp: 118328
Ion Ratio Lower Upper

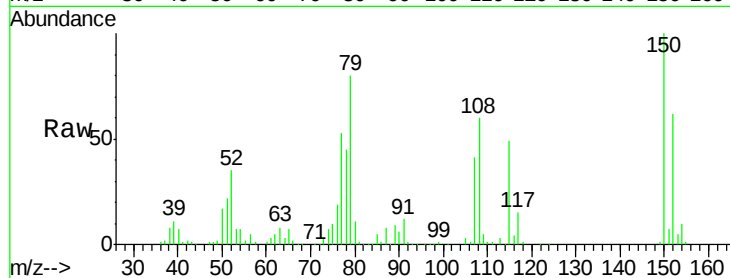
79 100

108 74.2 58.3 87.5

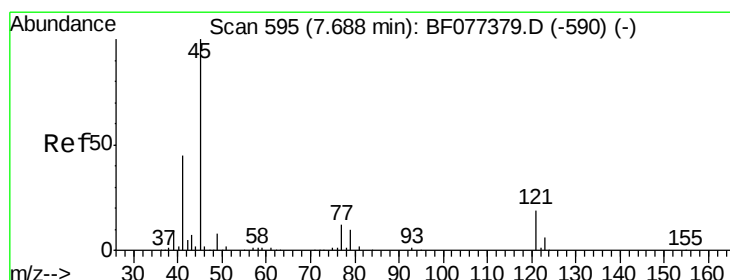
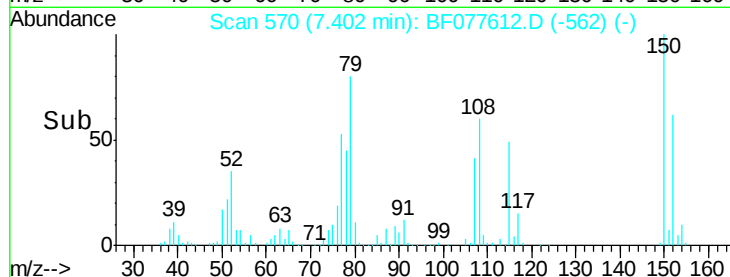
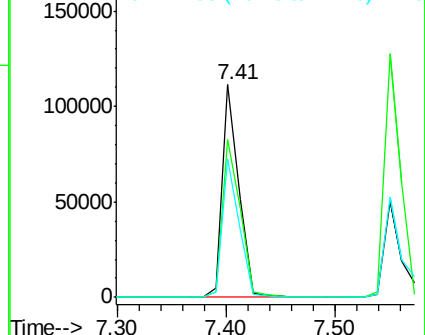
77 65.6 51.3 76.9

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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.06 ng

RT: 7.58 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF077612.D

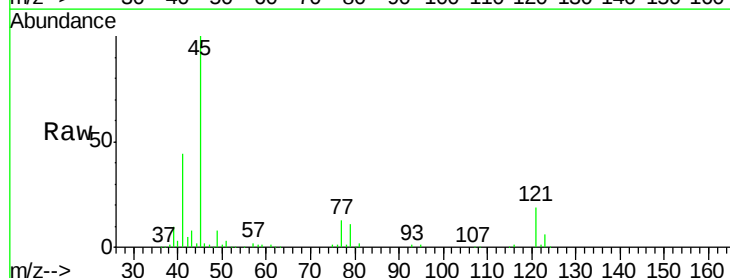
Acq: 5 Mar 2015 8:18

Tgt Ion: 45 Resp: 198703
Ion Ratio Lower Upper

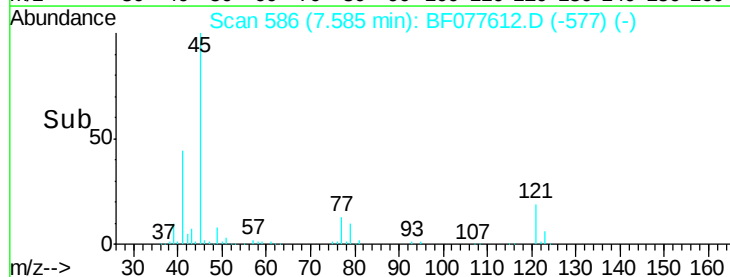
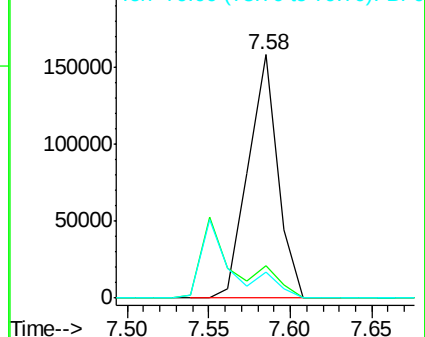
45 100

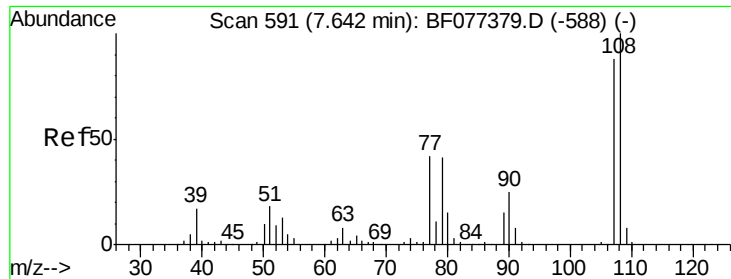
77 13.3 0.0 34.6

79 10.6 0.0 31.5



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 21.09 ng

RT: 7.55 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF077612.D

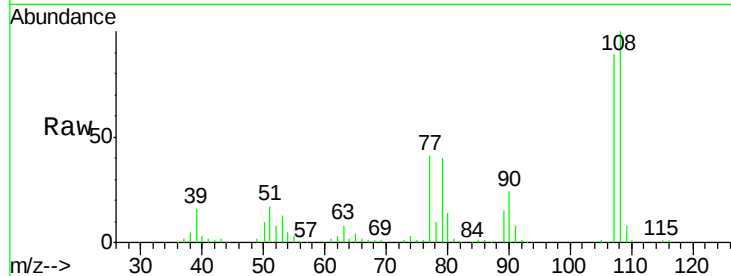
Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

ClientSampleId :

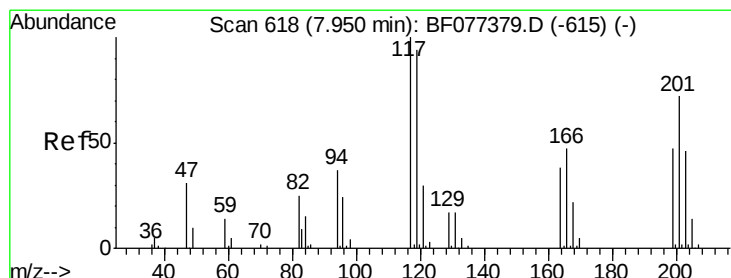
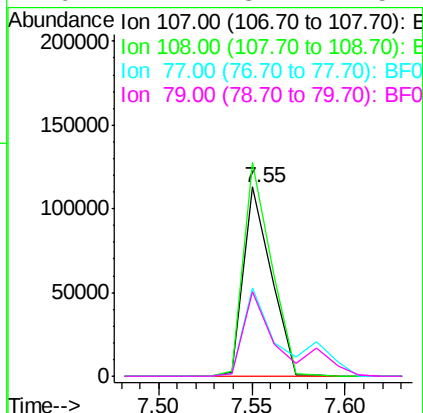
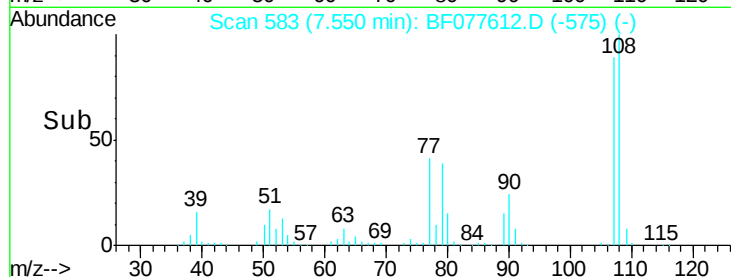
VMA-2MSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	117072		
108	112.8	91.2	136.8	
77	46.3	33.6	50.4	
79	44.7	32.1	48.1	

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#18

Hexachloroethane

Concen: 19.31 ng

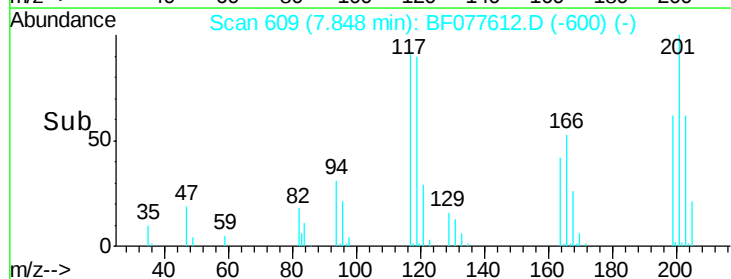
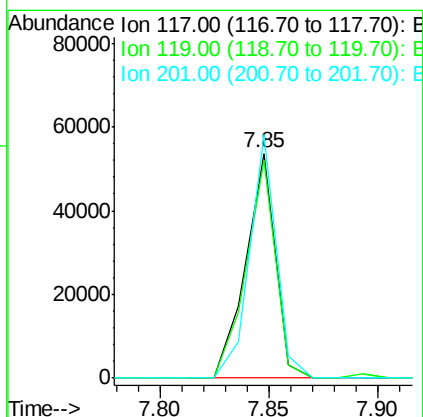
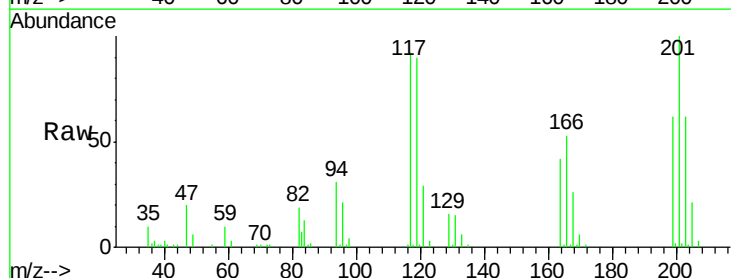
RT: 7.85 min Scan# 609

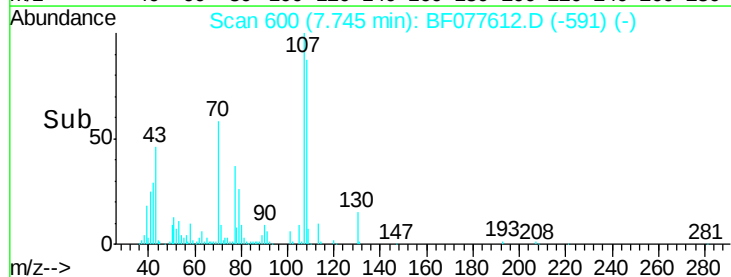
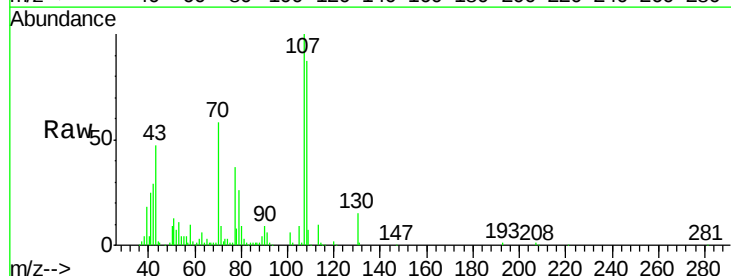
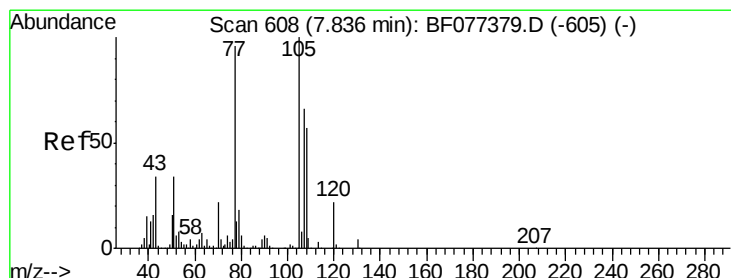
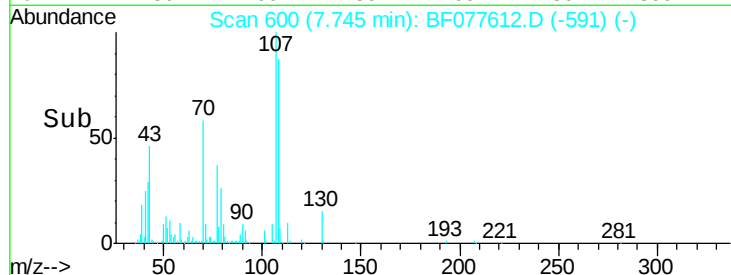
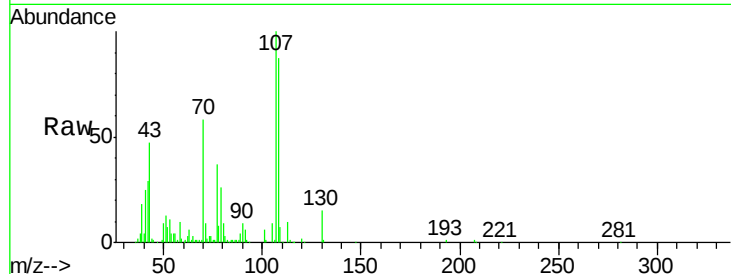
Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50739		
119	96.9	77.8	116.8	
201	108.2	90.6	136.0	





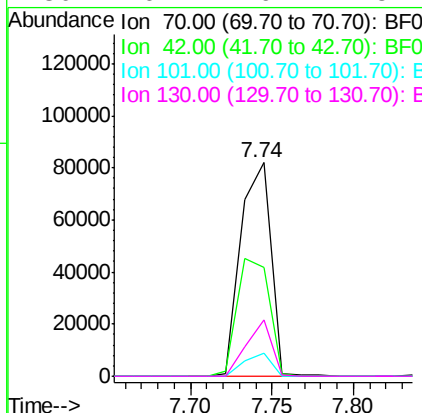
#19
n-Nitroso-di-n-propylamine
Concen: 21.29 ng
RT: 7.74 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.7	48.3	72.5	
101	10.9	7.5	11.3	
130	26.4	16.7	25.1	

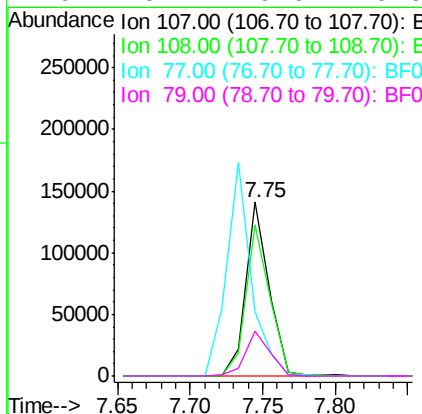
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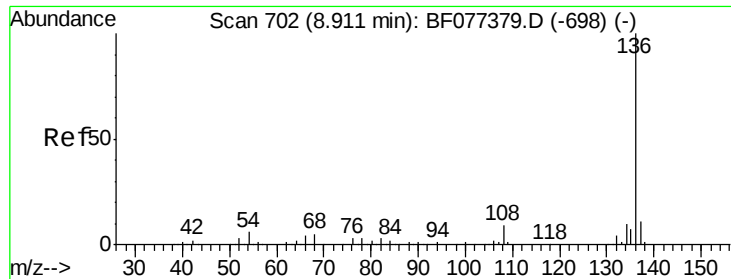
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#20
3+4-Methylphenols
Concen: 21.52 ng
RT: 7.75 min Scan# 600
Delta R.T. 0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.7	76.8	116.8	
77	36.7	65.8	105.8	
79	26.1	9.6	49.6	





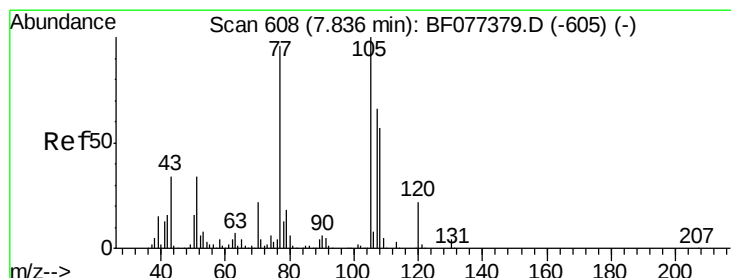
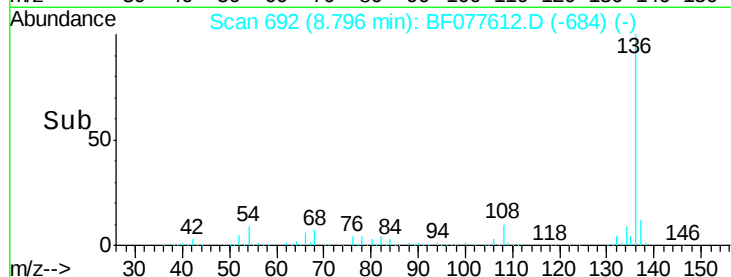
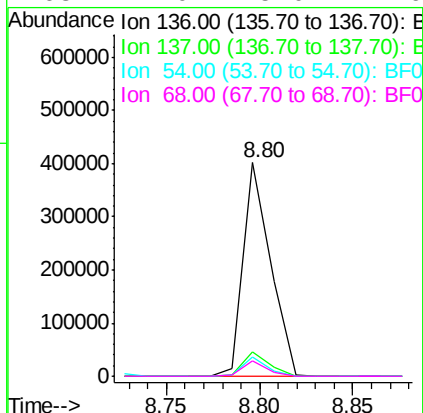
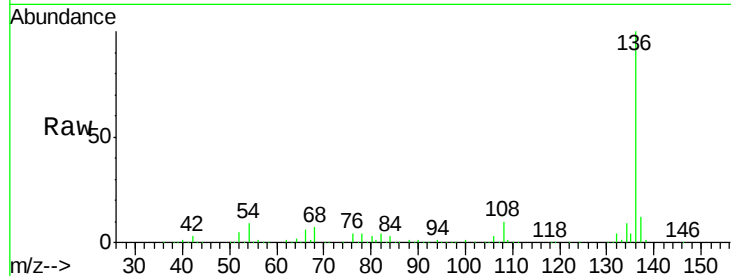
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.6	8.6	13.0
54	8.9	6.2	9.4
68	7.0	5.0	7.6

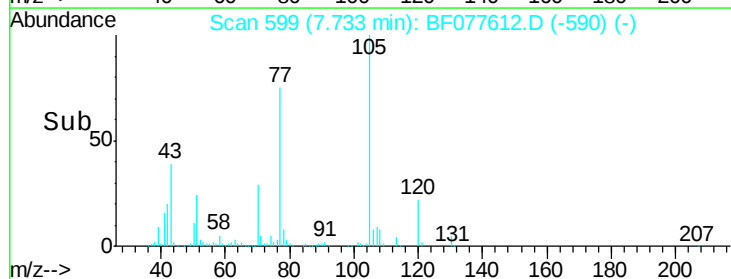
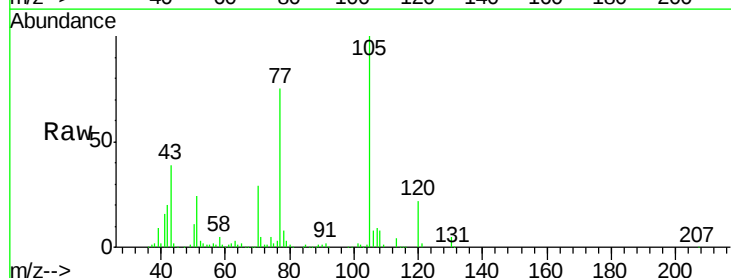
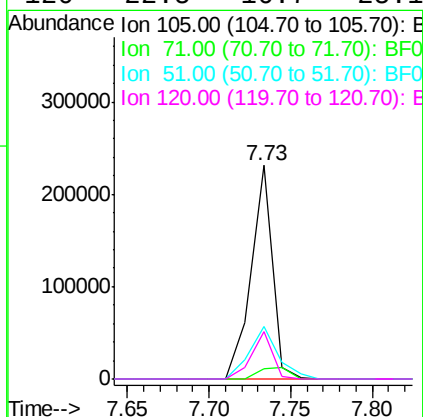
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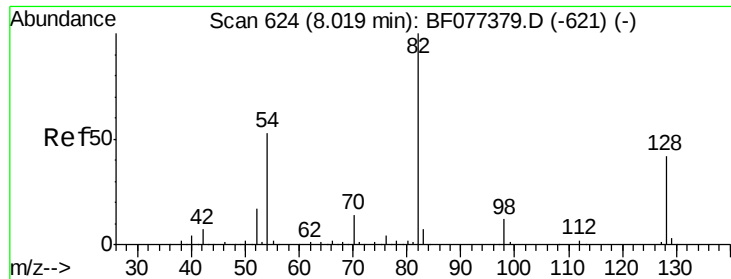
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#22
Acetophenone
Concen: 21.88 ng
RT: 7.73 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	5.0	1.7	2.5#
51	24.4	30.7	46.1#
120	22.5	16.7	25.1





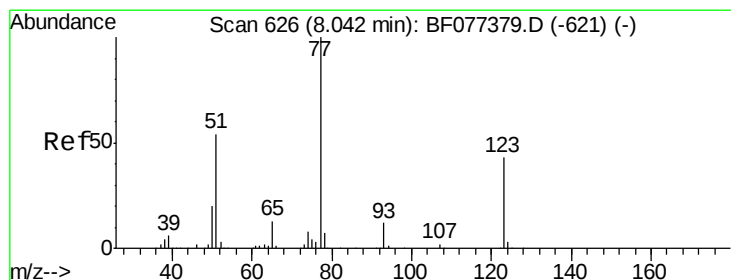
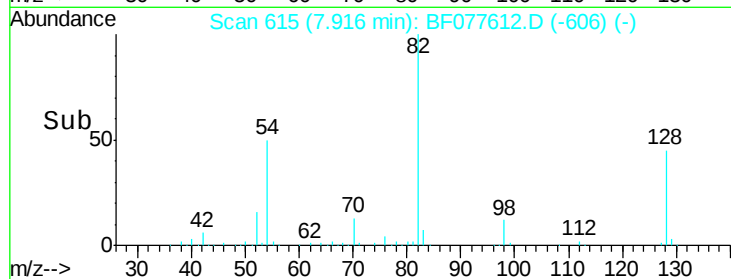
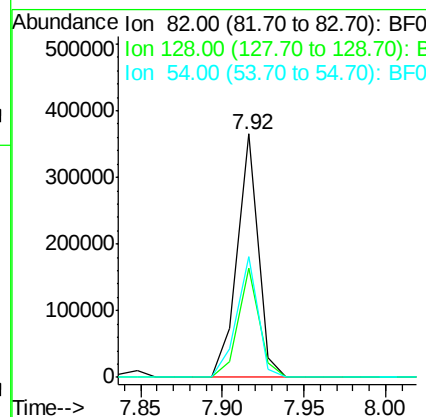
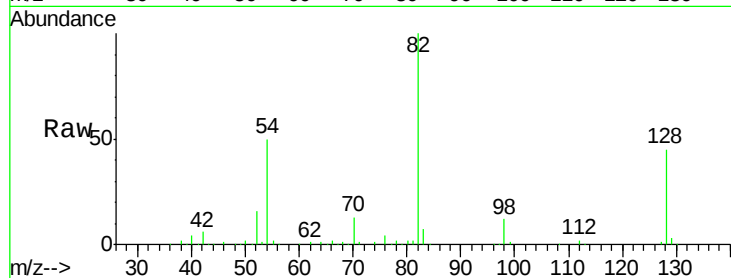
#23
 Nitrobenzene-d5
 Concen: 48.92 ng
 RT: 7.92 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	44.7	43.8	65.8
54	49.5	36.7	55.1

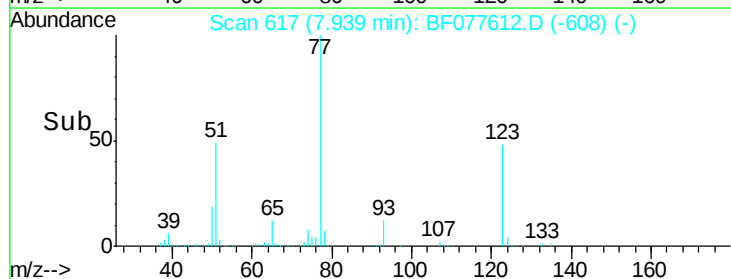
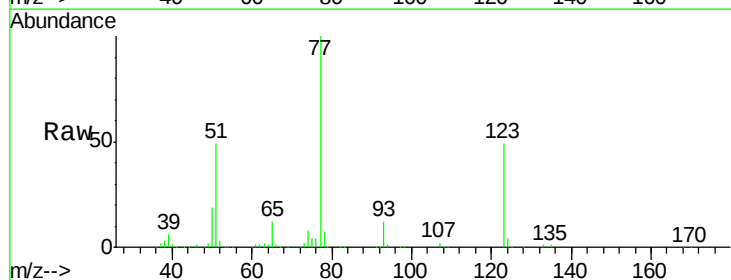
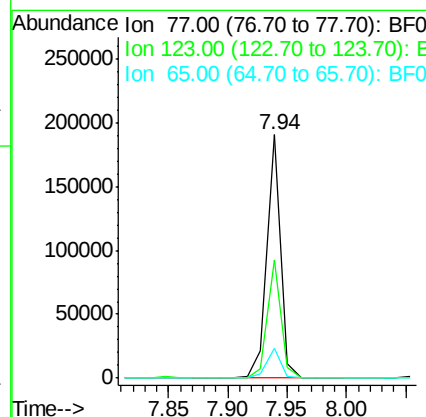
Manual Integrations
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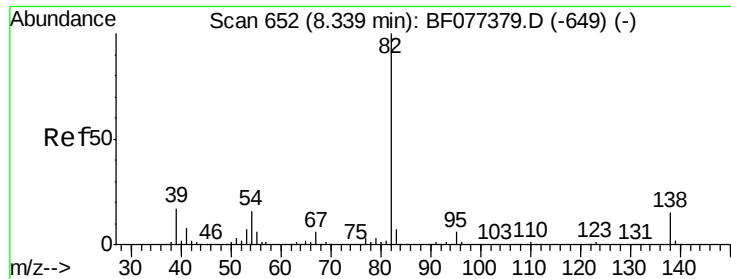
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#24
 Nitrobenzene
 Concen: 22.47 ng
 RT: 7.94 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
77	100		
123	48.5	45.9	68.9
65	12.4	9.5	14.3





#25

Isophorone

Concen: 21.54 ng

RT: 8.24 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

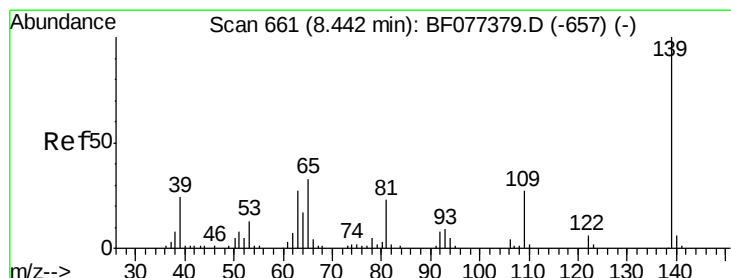
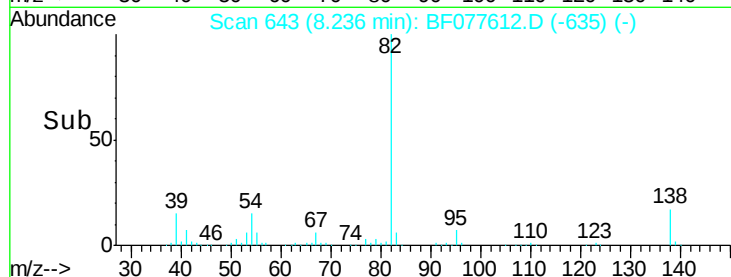
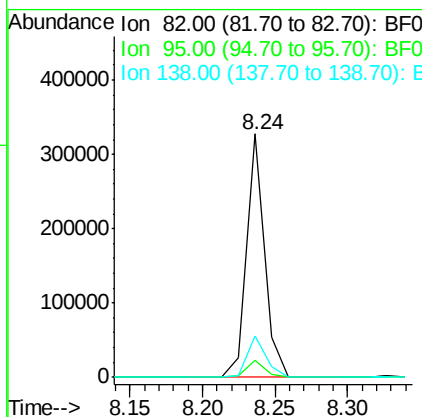
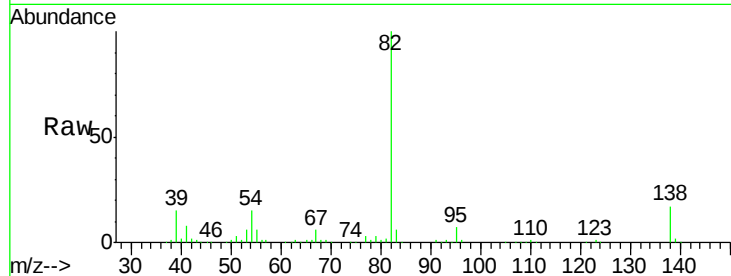
ClientSampleId :

VMA-2MSD

Tgt Ion:	82	Resp:	281918
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.0	16.3	24.5

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#26

2-Nitrophenol

Concen: 21.95 ng

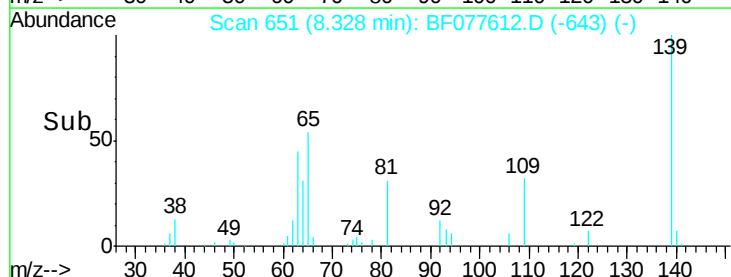
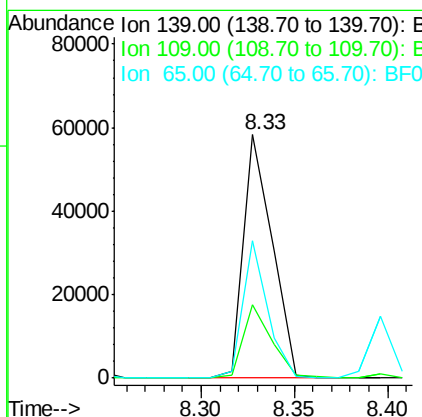
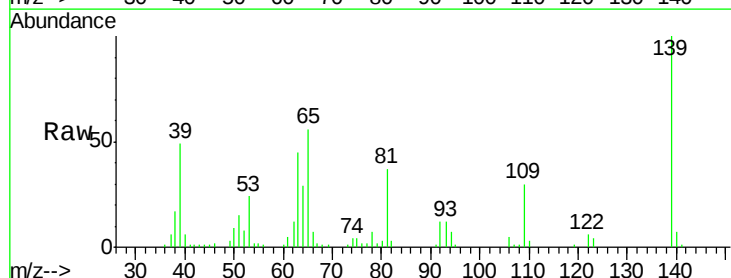
RT: 8.33 min Scan# 651

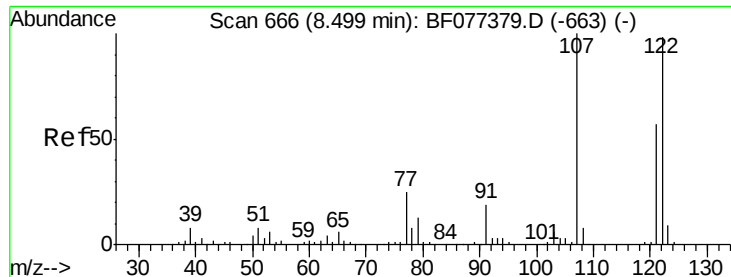
Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	139	Resp:	62447
Ion Ratio		Lower	Upper
139	100		
109	30.3	22.6	34.0
65	56.3	36.4	54.6#





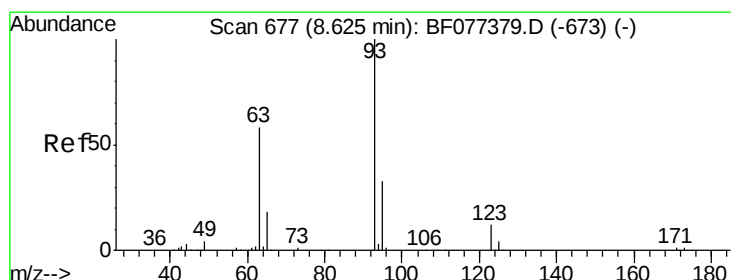
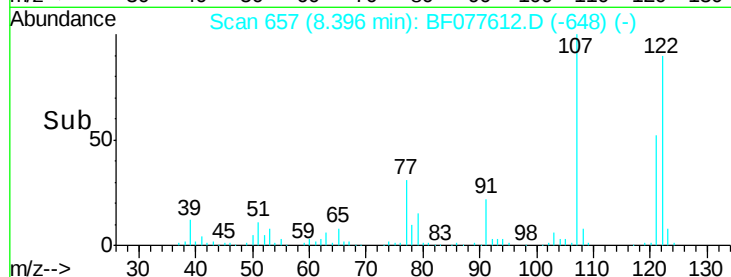
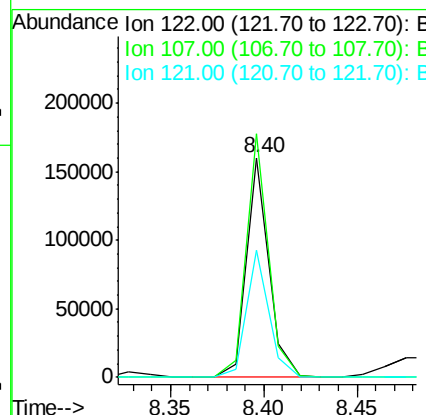
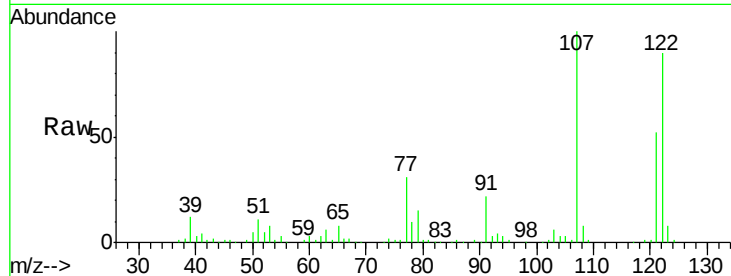
#27
 2,4-Dimethylphenol
 Concen: 21.18 ng
 RT: 8.40 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	134783		
107	110.8	86.6	130.0	
121	57.8	47.4	71.0	

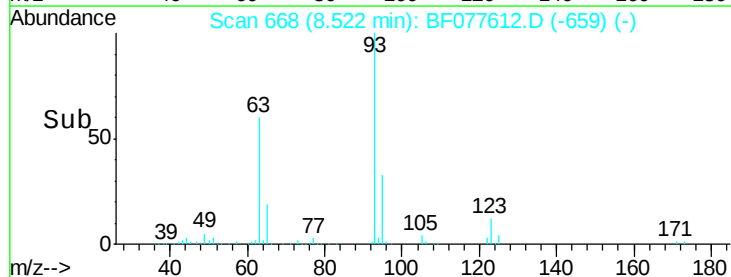
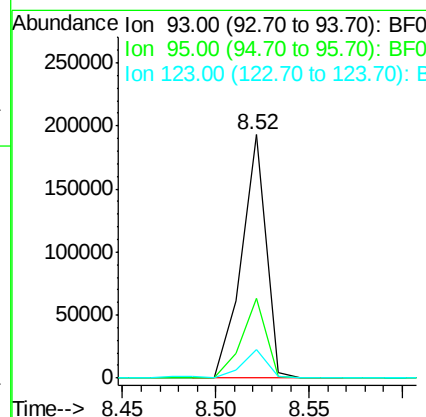
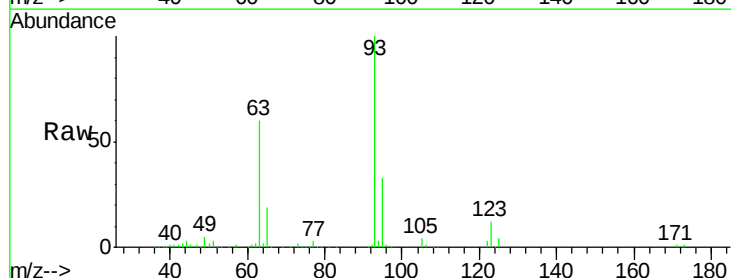
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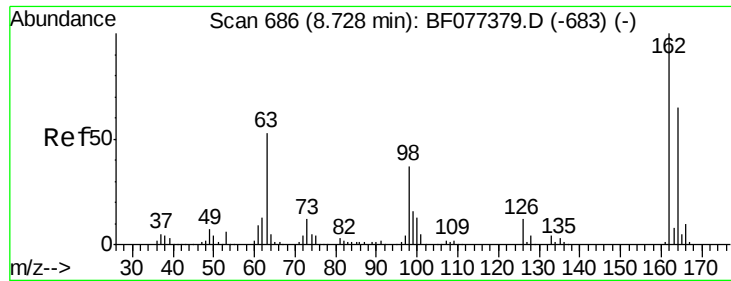
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#28
 bis(2-Chloroethoxy)methane
 Concen: 21.44 ng
 RT: 8.52 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	177224		
95	32.6	26.4	39.6	
123	11.8	8.7	13.1	





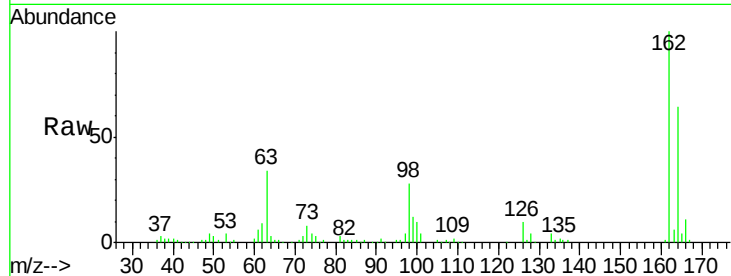
#29
 2,4-Dichlorophenol
 Concen: 21.12 ng
 RT: 8.63 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

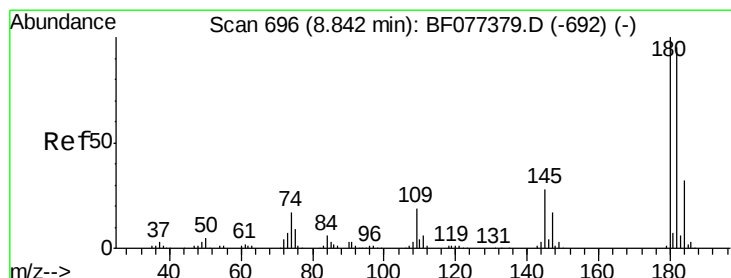
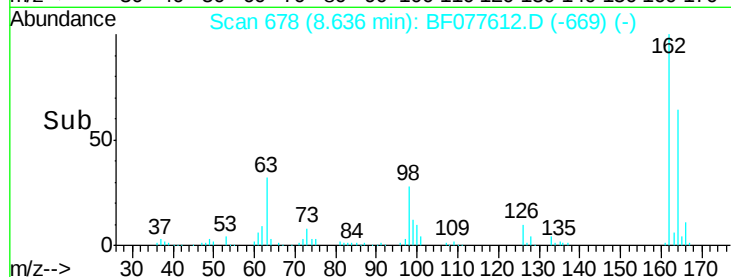
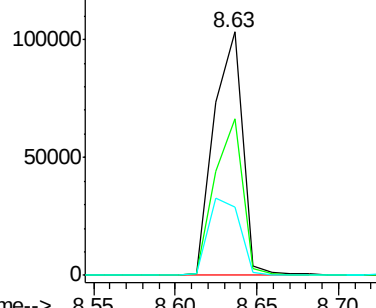
Tgt Ion:	162	Resp:	126147
Ion Ratio	Lower	Upper	
162	100		
164	64.5	46.4	86.4
98	28.0	6.9	46.9

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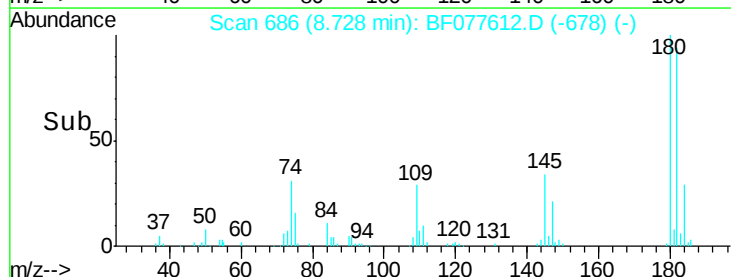
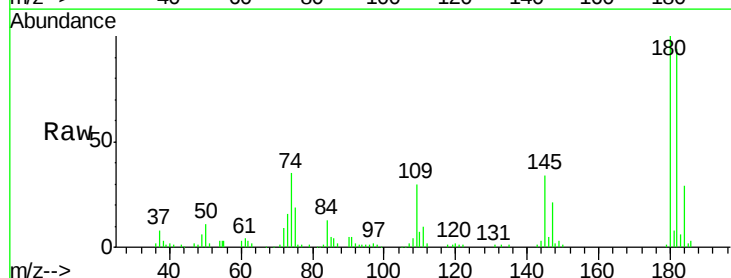
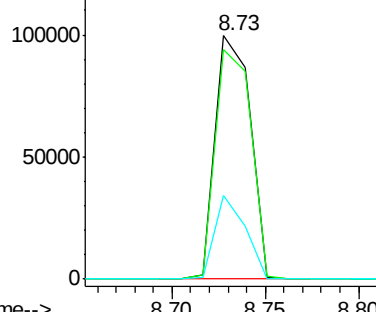
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

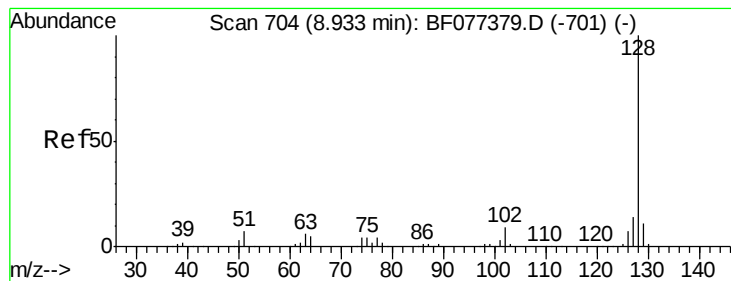


#30
 1,2,4-Trichlorobenzene
 Concen: 19.75 ng
 RT: 8.73 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion:	180	Resp:	129719
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.2	114.4
145	34.4	24.5	36.7

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: 21.23 ng

RT: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

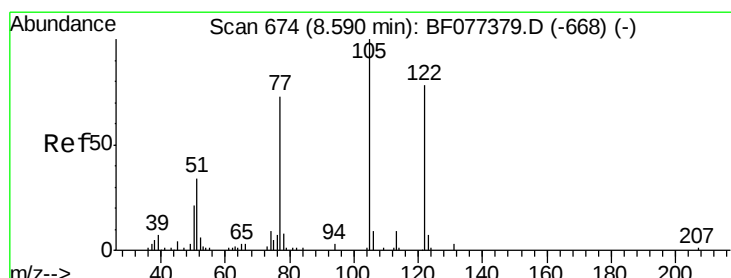
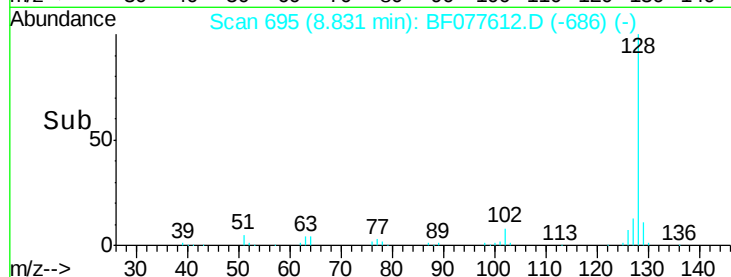
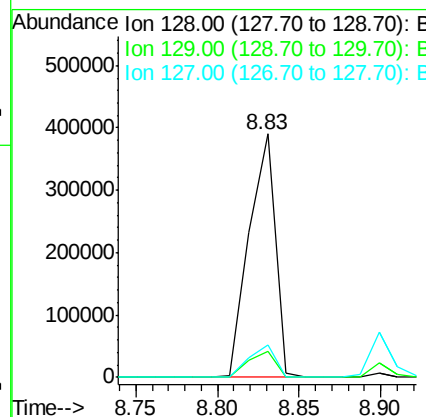
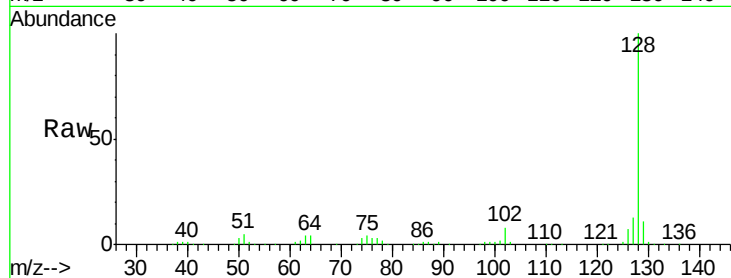
ClientSampleId :

VMA-2MSD

Tgt Ion:	128	Resp:	435452
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.4	14.0
127	13.3	10.6	15.8

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#32

Benzoic acid

Concen: 14.75 ng

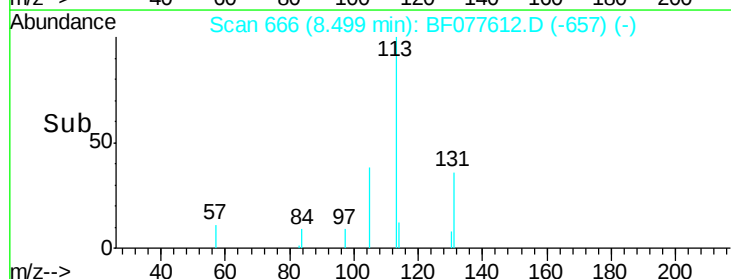
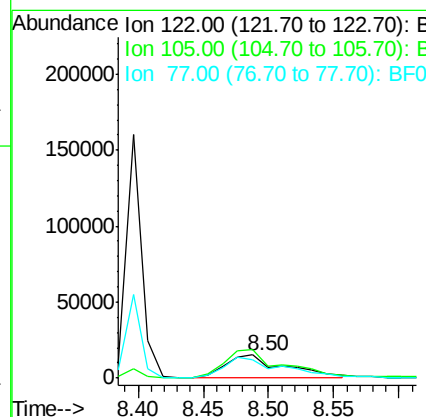
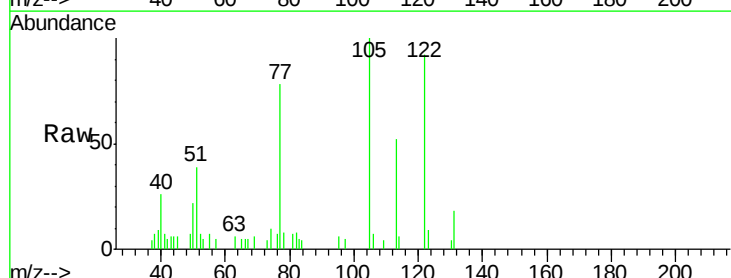
RT: 8.50 min Scan# 666

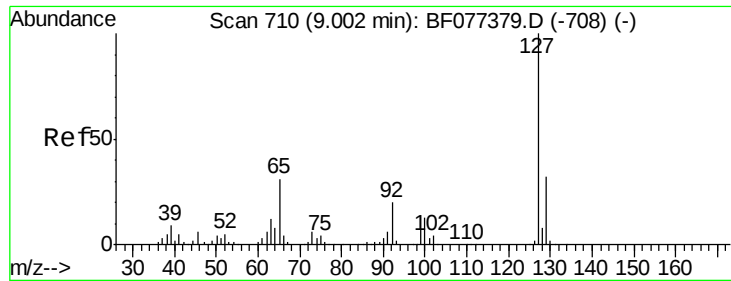
Delta R.T. -0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	122	Resp:	45627
Ion Ratio	Lower	Upper	
122	100		
105	108.9	100.3	140.3
77	85.2	68.7	108.7





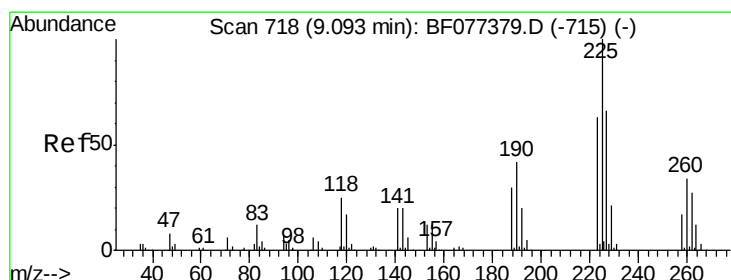
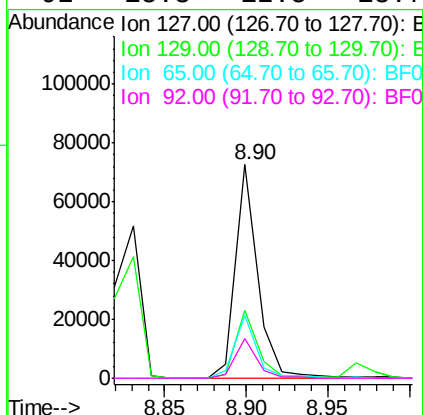
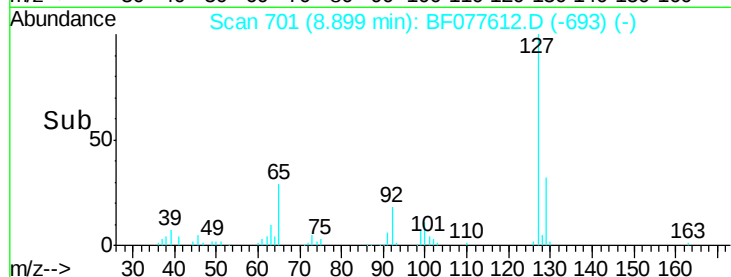
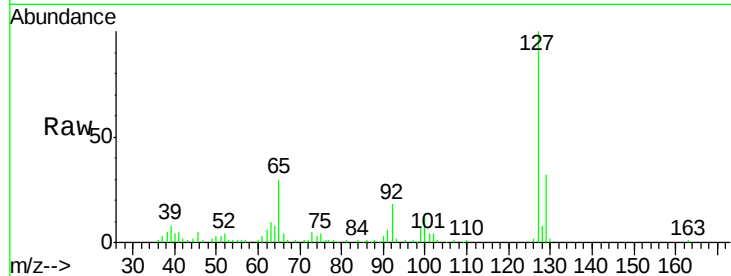
#33
4-Chloroaniline
Concen: 7.48 ng
RT: 8.90 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	68222		
129	32.0	26.9	40.3	
65	29.6	16.7	25.1	
92	18.3	12.5	18.7	

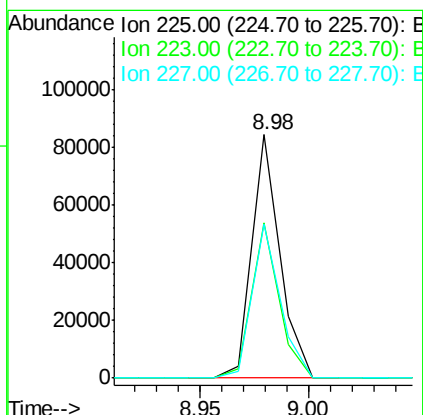
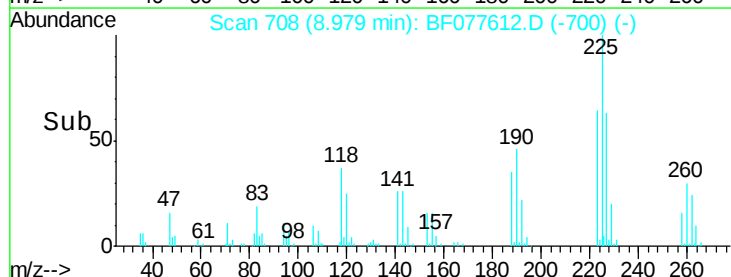
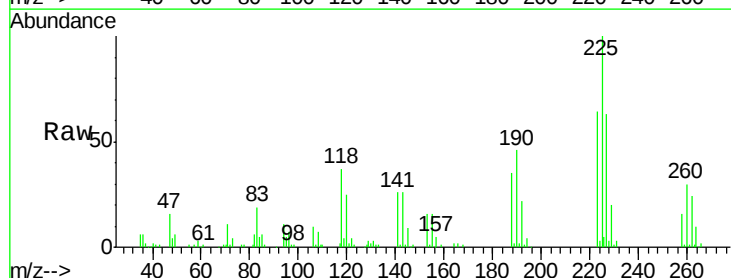
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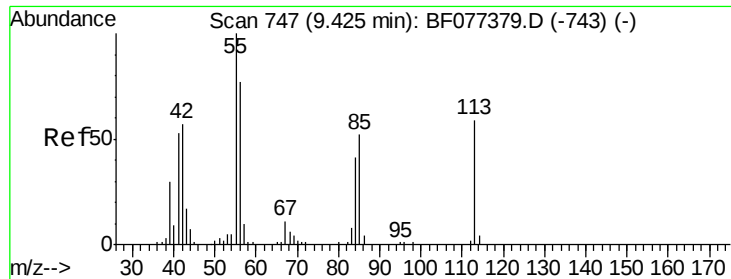
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#34
Hexachlorobutadiene
Concen: 20.16 ng
RT: 8.98 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75597		
223	64.0	49.5	74.3	
227	63.1	50.5	75.7	





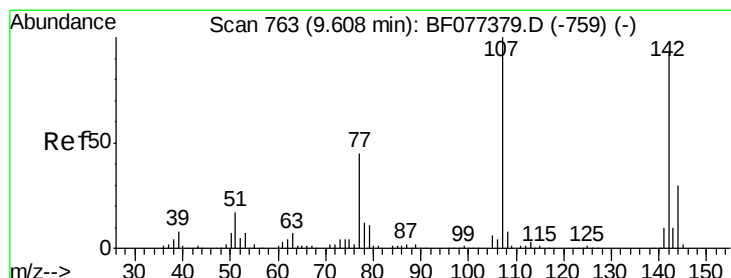
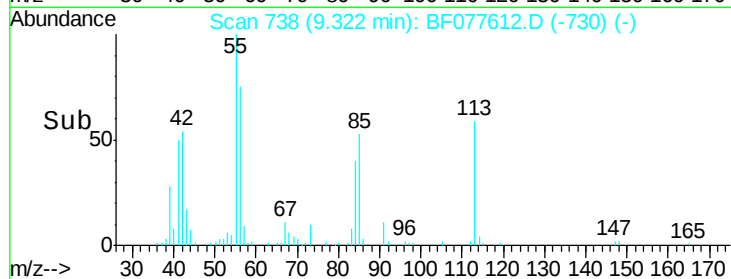
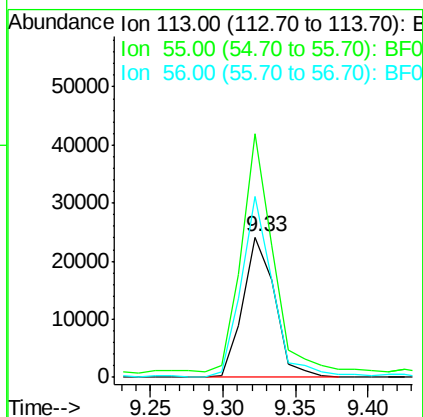
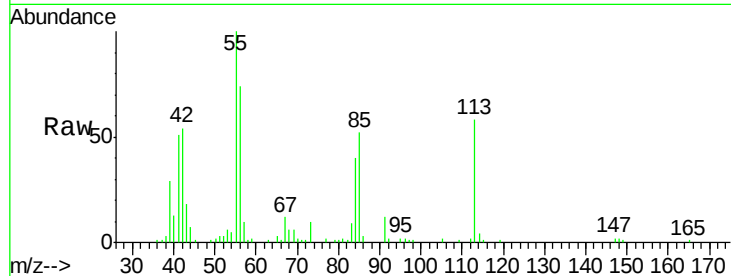
#35
 Caprolactam
 Concen: 20.33 ng
 RT: 9.33 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	173.7	154.6	194.6
56	129.3	114.0	154.0

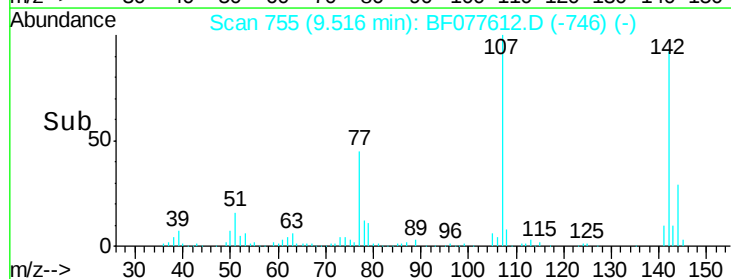
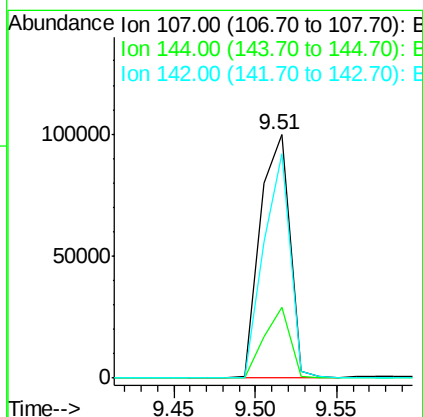
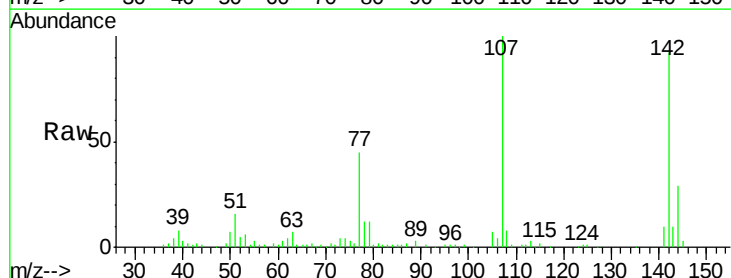
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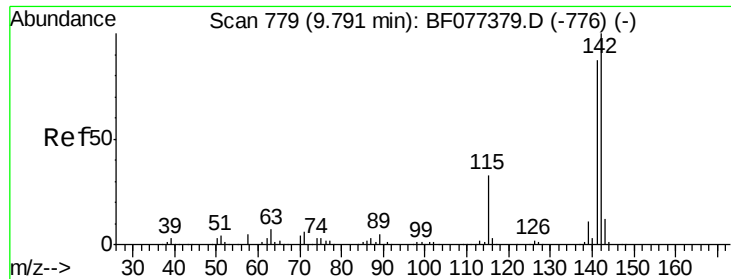
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#36
 4-Chloro-3-methylphenol
 Concen: 21.17 ng
 RT: 9.51 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
107	100		
144	29.3	21.1	31.7
142	91.9	65.3	97.9





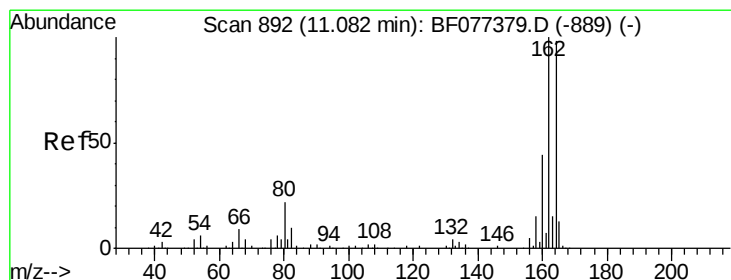
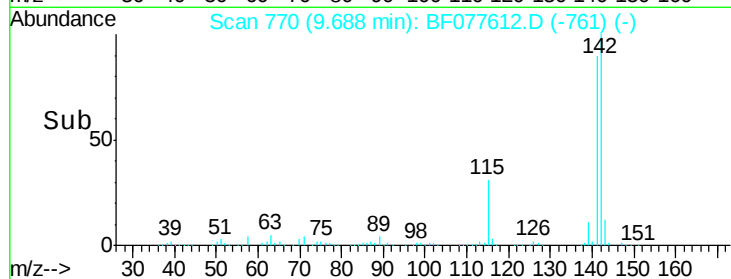
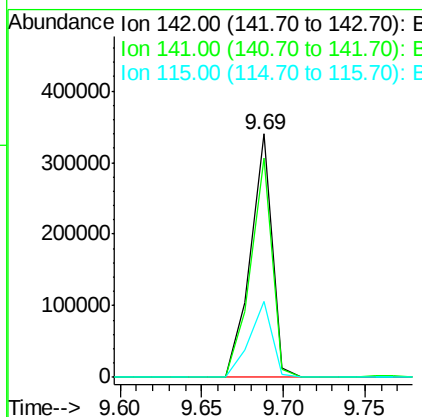
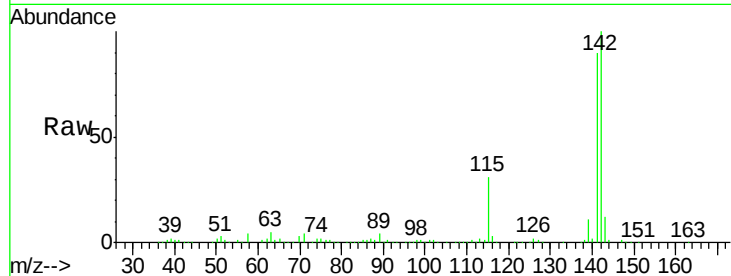
#37
2-Methylnaphthalene
Concen: 21.63 ng
RT: 9.69 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	315147		
141	90.2	70.7	106.1	
115	30.9	24.2	36.4	

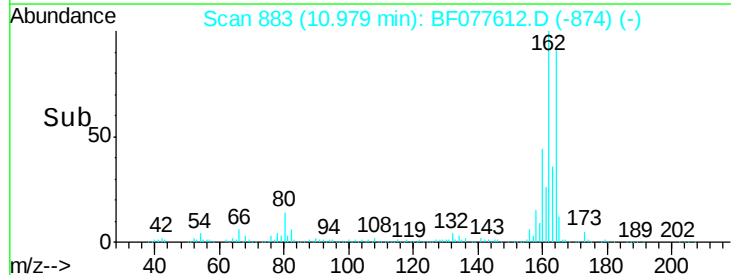
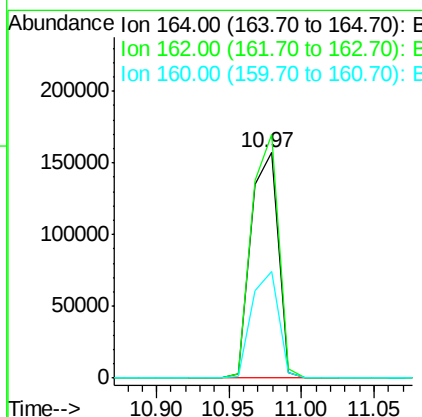
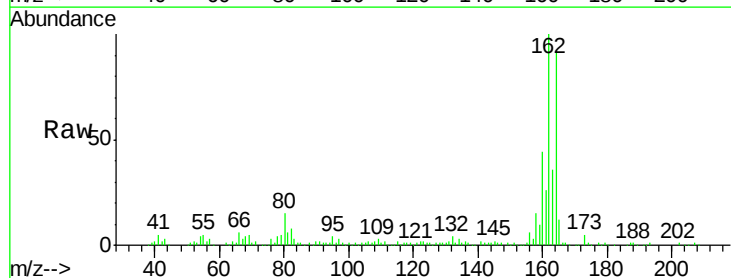
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206375		
162	108.1	83.2	124.8	
160	47.5	34.6	52.0	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 22.58 ng

RT: 9.89 min Scan# 788

Delta R.T. -0.00 min

Lab File: BF077612.D

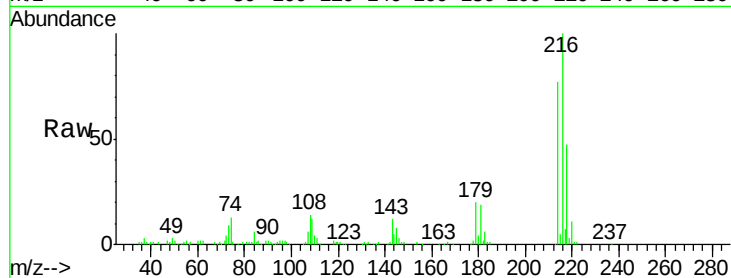
Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

ClientSampleId :

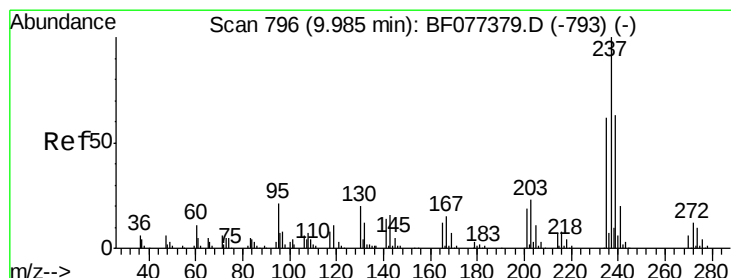
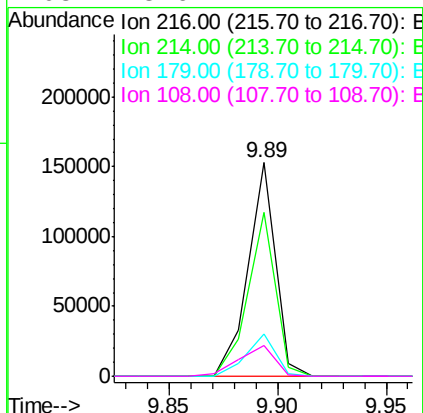
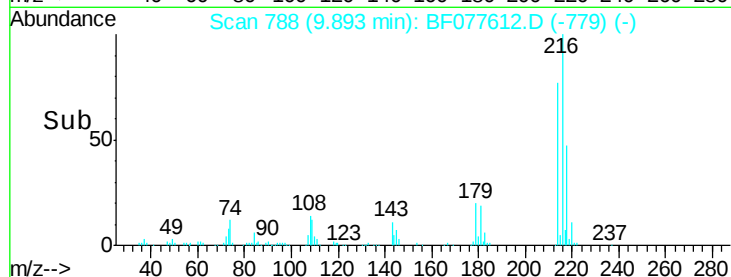
VMA-2MSD



Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.3	63.4	95.0
179	21.3	16.6	25.0
108	18.6	14.2	21.4

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#40

Hexachlorocyclopentadiene

Concen: 10.72 ng

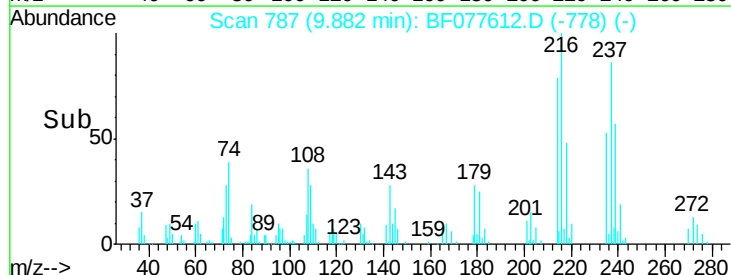
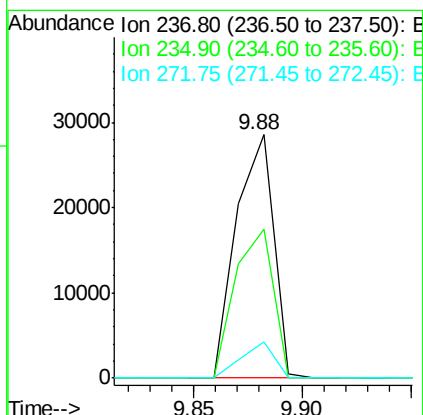
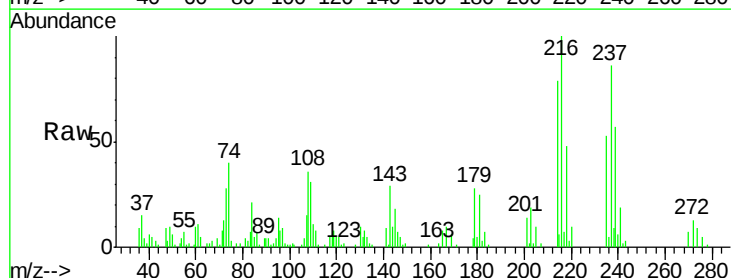
RT: 9.88 min Scan# 787

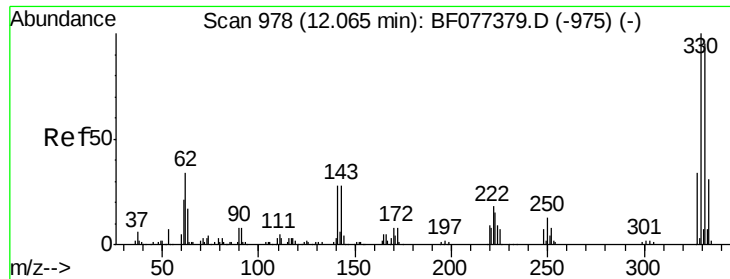
Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.0	41.0	81.0
272	15.1	0.0	34.3





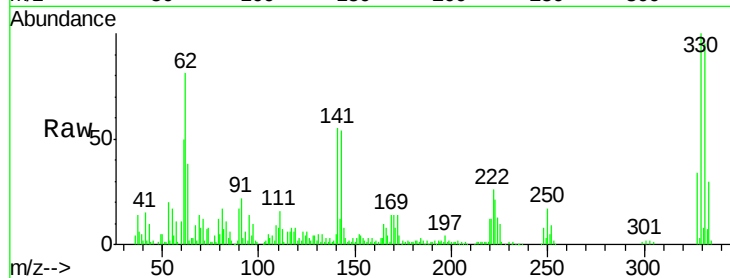
#41
 2,4,6-Tribromophenol
 Concen: 67.33 ng
 RT: 11.96 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

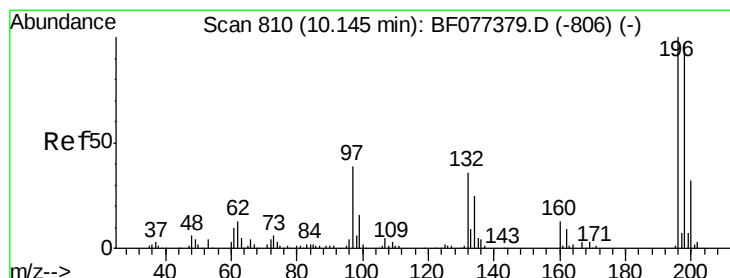
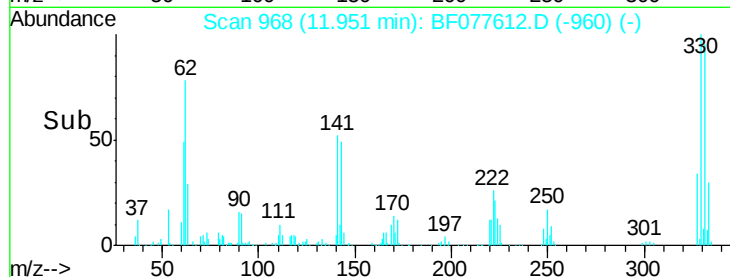
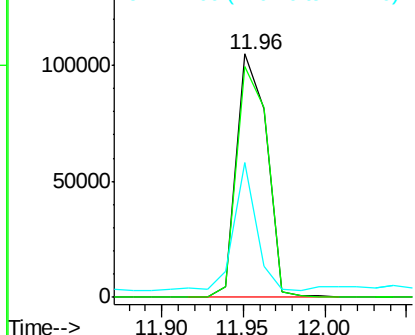
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	133794		
332	96.8	77.4	116.2	
141	39.6	28.8	43.2	

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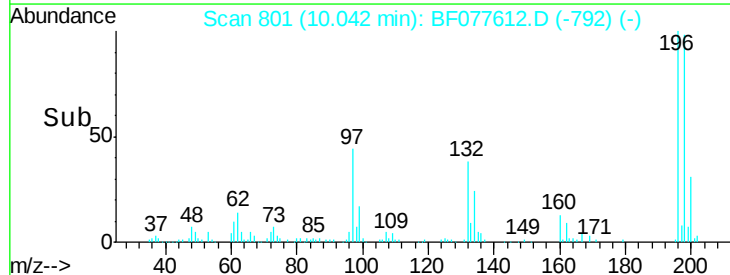
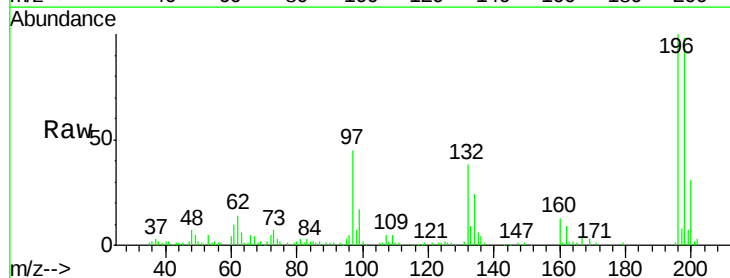
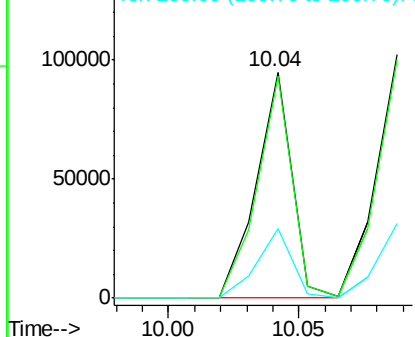
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 23.15 ng
 RT: 10.04 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	90772		
198	98.2	75.8	113.8	
200	30.8	24.2	36.4	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





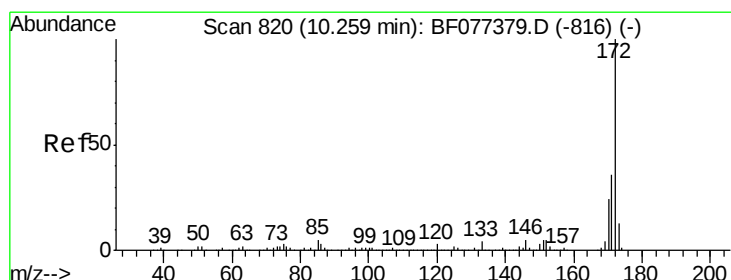
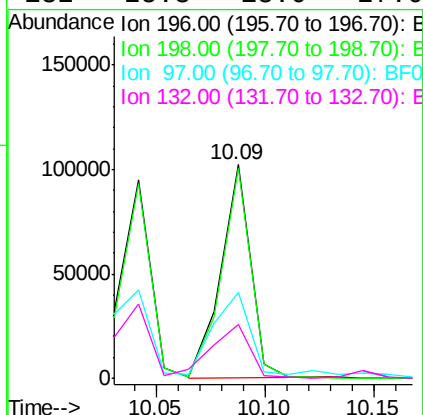
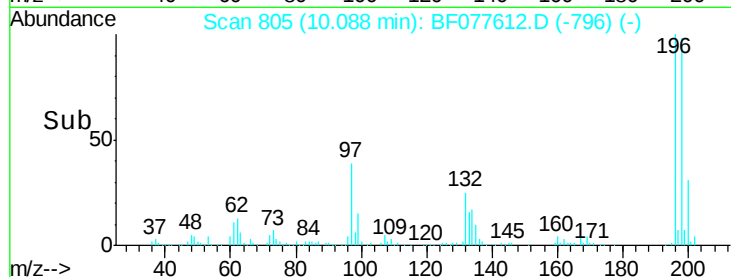
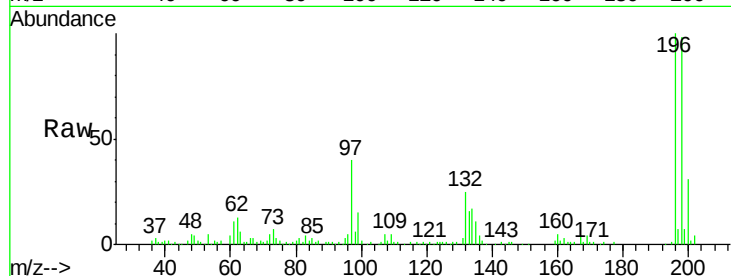
#43
 2,4,5-Trichlorophenol
 Concen: 23.09 ng
 RT: 10.09 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		96818		
198	98.0	77.2	115.8		
97	40.4	27.7	41.5		
132	25.3	18.0	27.0		

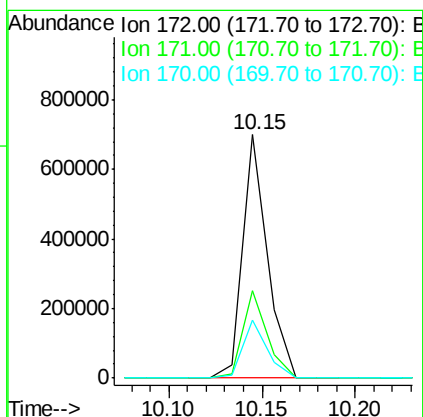
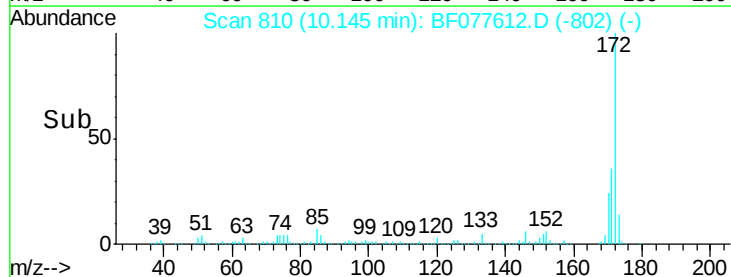
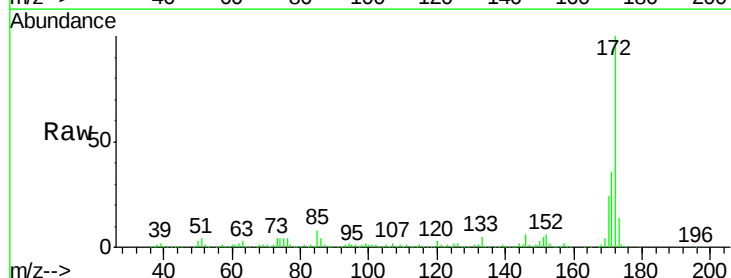
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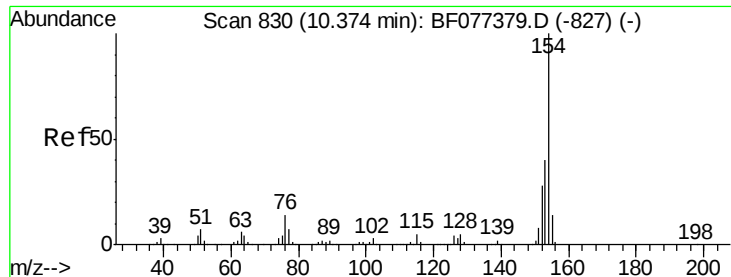
mohammad
 3/5/2015 2:11:39 PM



#44
 2-Fluorobiphenyl
 Concen: 48.46 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		641442		
171	35.8	28.9	43.3		
170	23.9	19.4	29.2		





#45

1,1'-Biphenyl

Concen: 22.88 ng

RT: 10.27 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

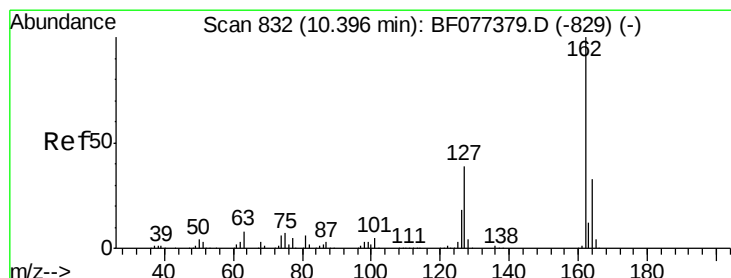
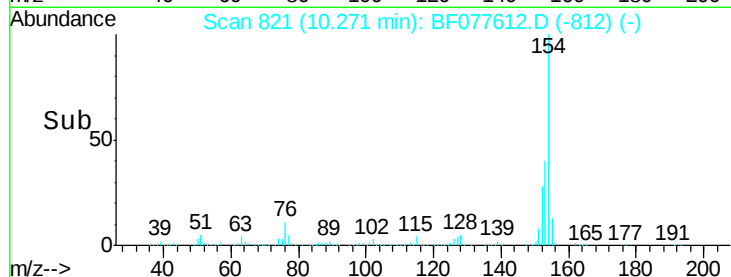
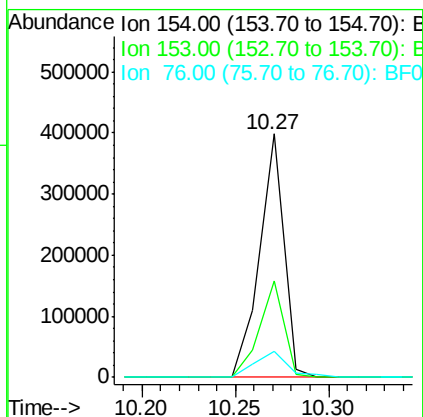
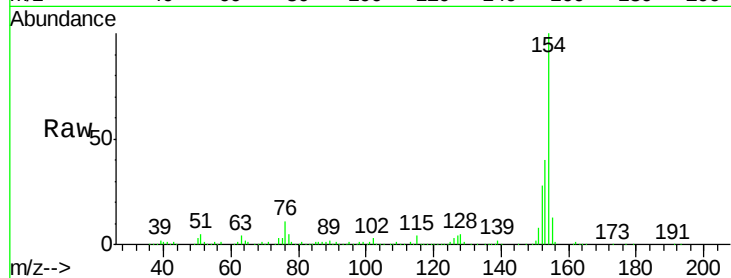
ClientSampleId :

VMA-2MSD

Tgt Ion:	154	Resp:	357673
Ion Ratio	Lower	Upper	
154	100		
153	39.8	20.2	60.2
76	10.6	0.0	29.4

Manual Integrations
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#46

2-Chloronaphthalene

Concen: 22.41 ng

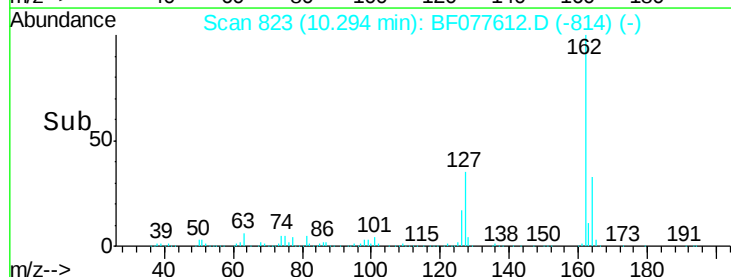
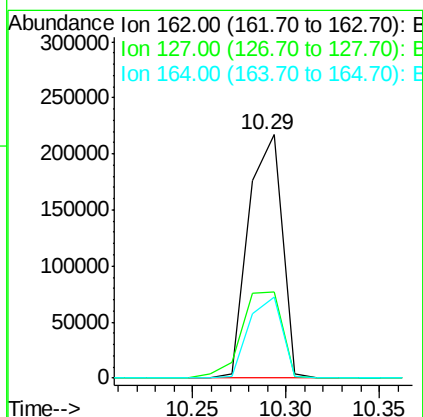
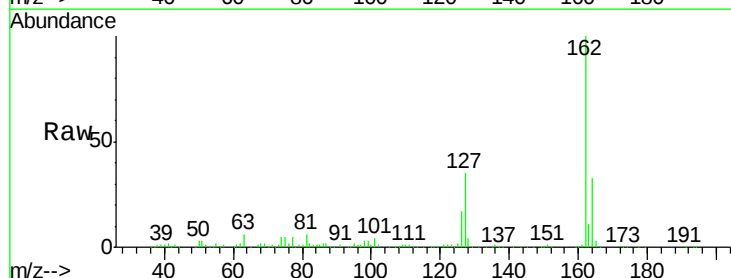
RT: 10.29 min Scan# 823

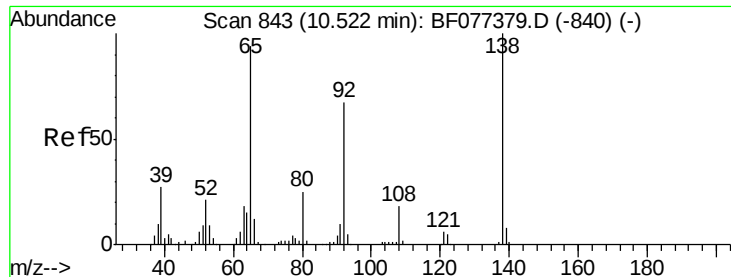
Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	162	Resp:	274820
Ion Ratio	Lower	Upper	
162	100		
127	35.1	33.3	49.9
164	33.5	26.2	39.4





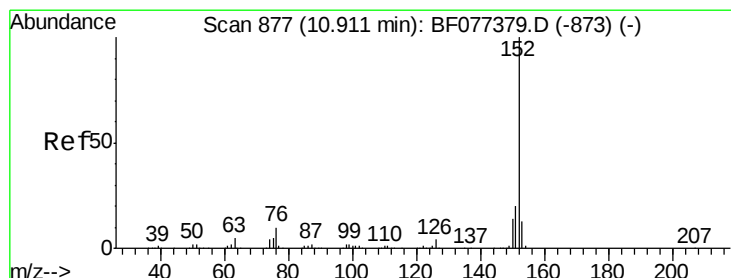
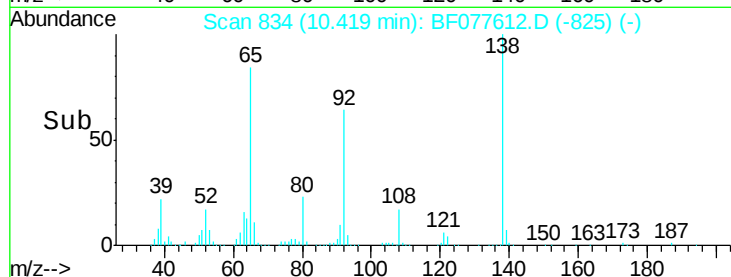
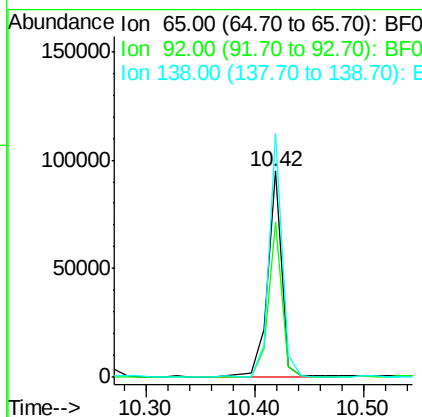
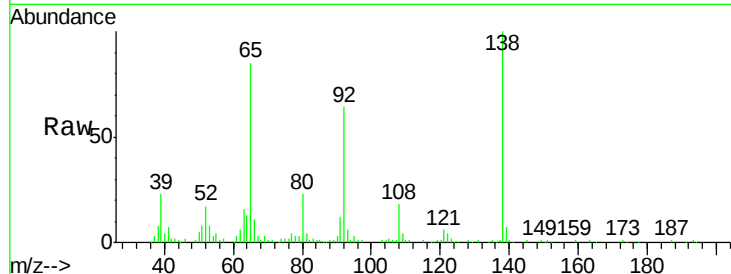
#47
2-Nitroaniline
Concen: 28.51 ng
RT: 10.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.2	52.4	78.6
138	118.0	73.4	110.0

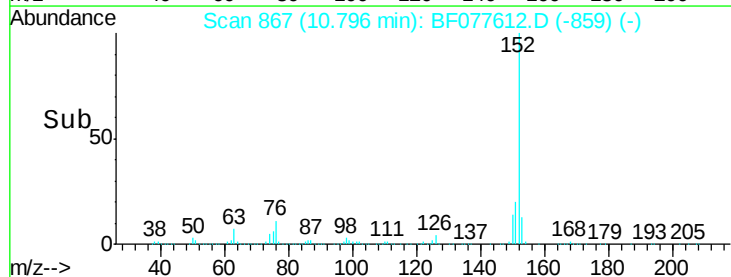
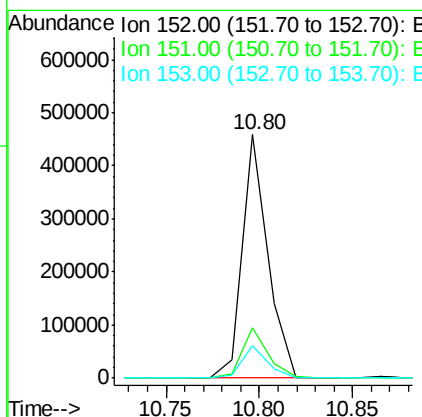
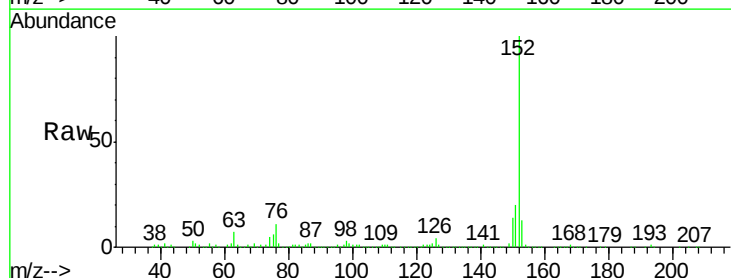
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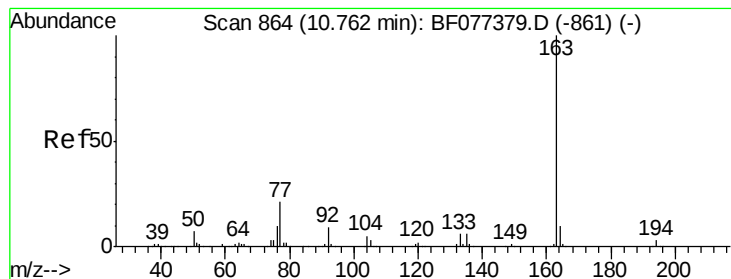
mohammad
3/5/2015 2:11:39 PM



#48
Acenaphthylene
Concen: 22.48 ng
RT: 10.80 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	13.3	10.9	16.3





#49

Dimethylphthalate

Concen: 24.52 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

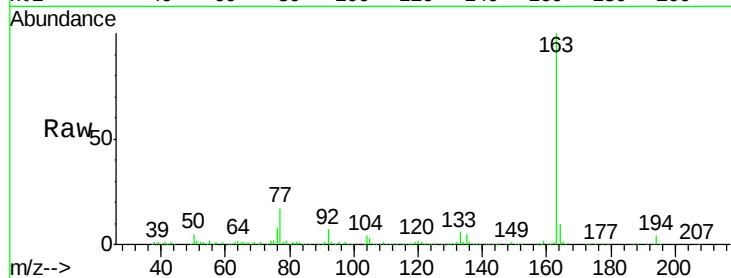
ClientSampleId :

VMA-2MSD

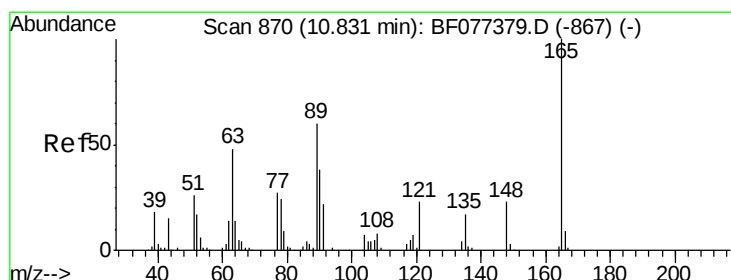
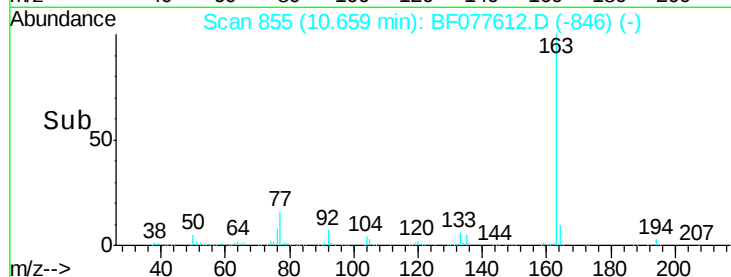
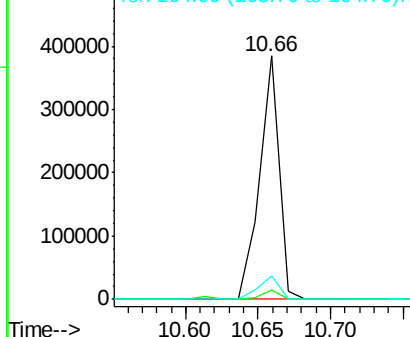
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	355755		
194	3.7	2.6	4.0	
164	9.8	8.6	13.0	

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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: 23.15 ng

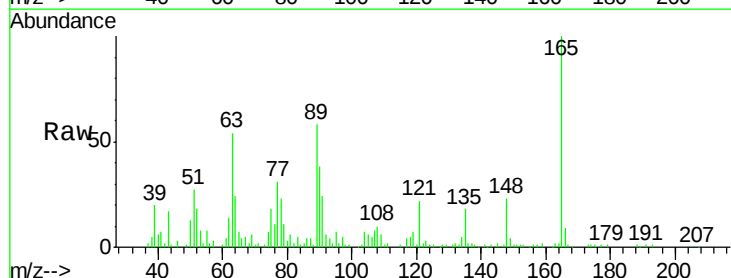
RT: 10.73 min Scan# 861

Delta R.T. -0.00 min

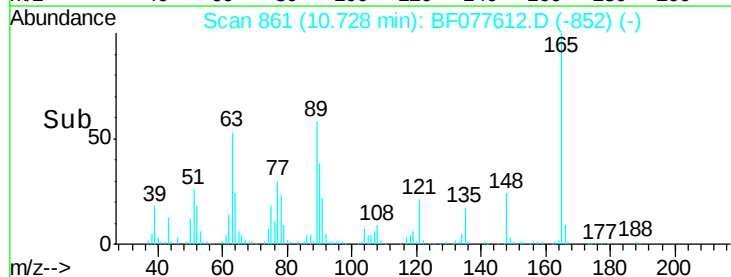
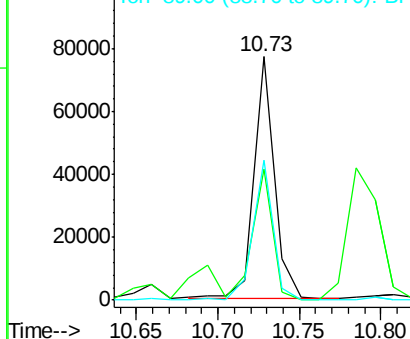
Lab File: BF077612.D

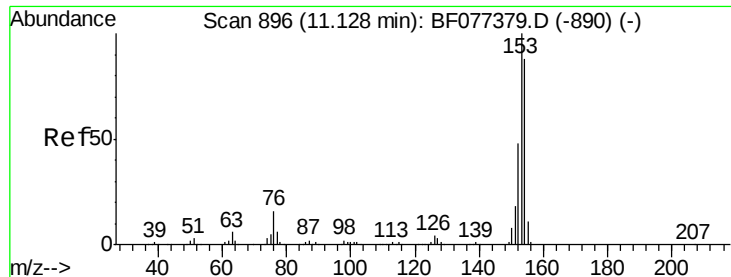
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	67334		
63	53.7	25.2	37.8#	
89	57.7	30.5	45.7#	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 22.15 ng

RT: 11.01 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

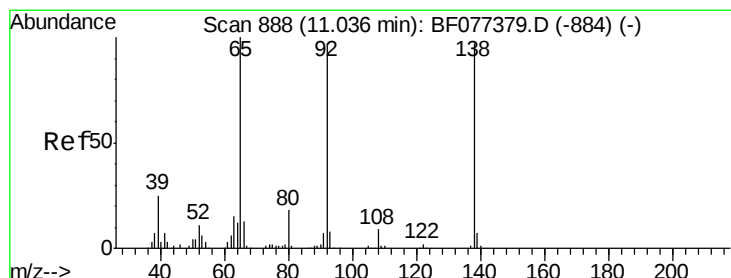
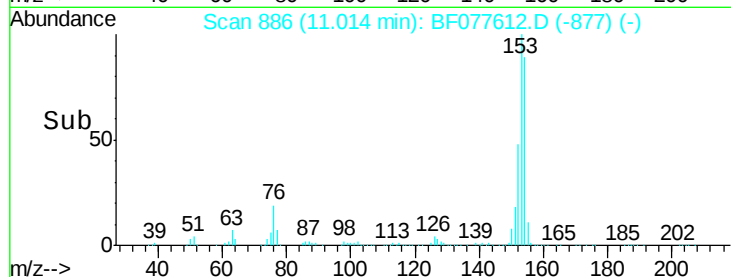
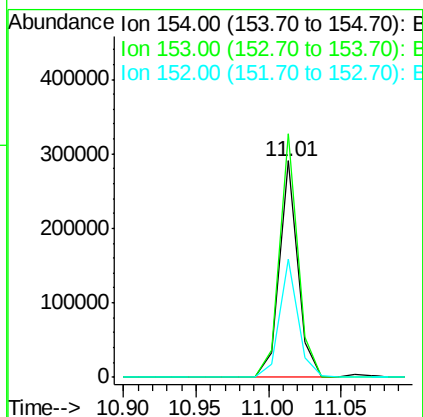
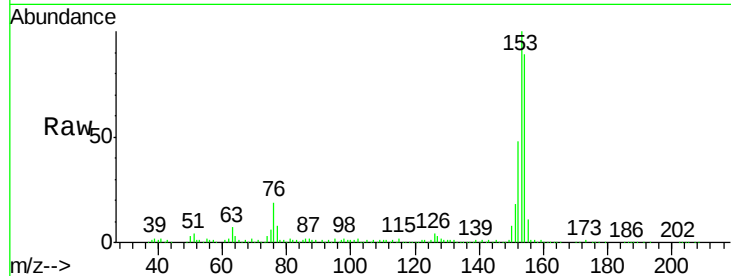
ClientSampleId :

VMA-2MSD

Tgt Ion:	154	Resp:	256563
Ion Ratio	Lower	Upper	
154	100		
153	112.4	90.5	135.7
152	54.3	43.5	65.3

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#52

3-Nitroaniline

Concen: 19.54 ng

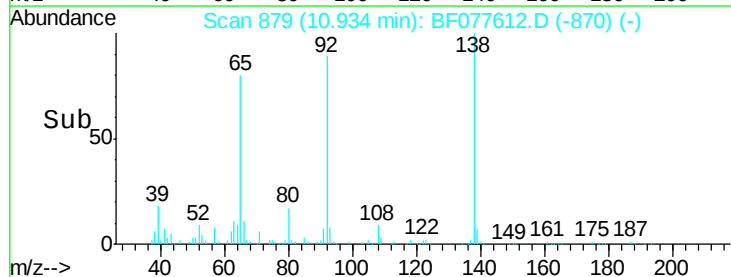
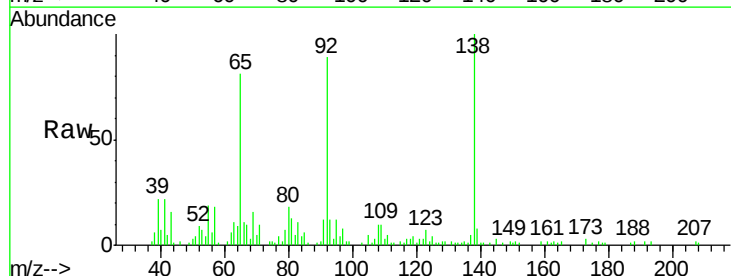
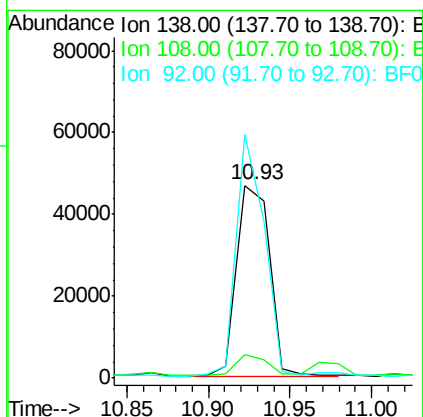
RT: 10.93 min Scan# 879

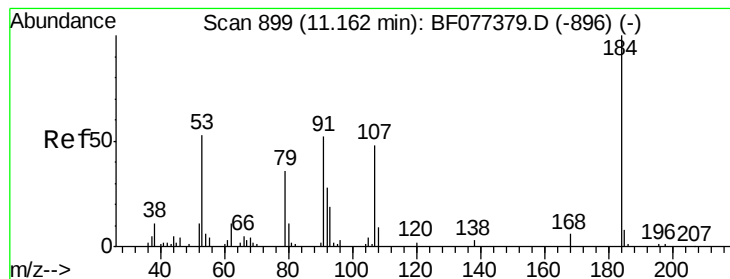
Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	138	Resp:	65554
Ion Ratio	Lower	Upper	
138	100		
108	10.4	7.8	11.8
92	88.6	90.6	135.8#





#53

2,4-Dinitrophenol

Concen: 7.13 ng

RT: 11.06 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF077612.D

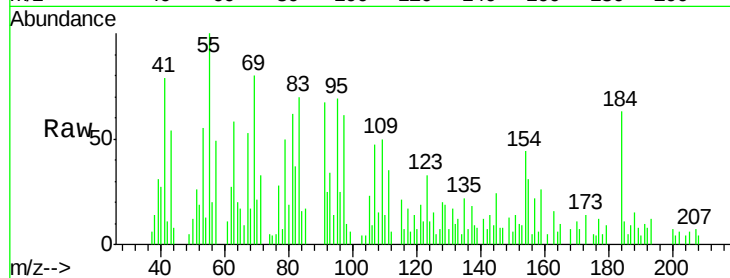
Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

ClientSampled :

VMA-2MSD



Tgt Ion:184 Resp: 6311

Ion Ratio Lower Upper

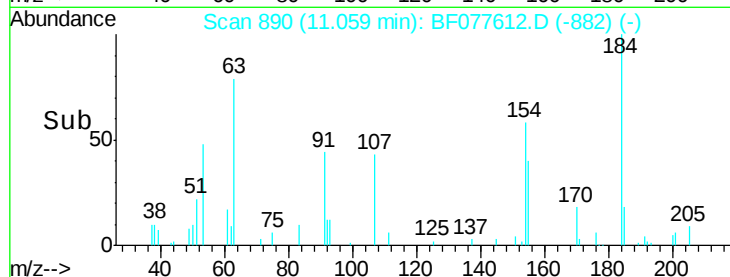
184 100

63 92.5 29.5 44.3#

154 70.1 43.2 64.8#

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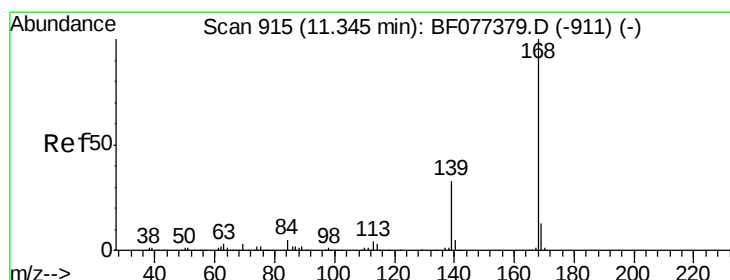
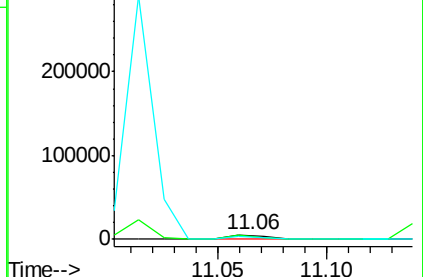
mohammad
3/5/2015 2:11:39 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 22.48 ng

RT: 11.23 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

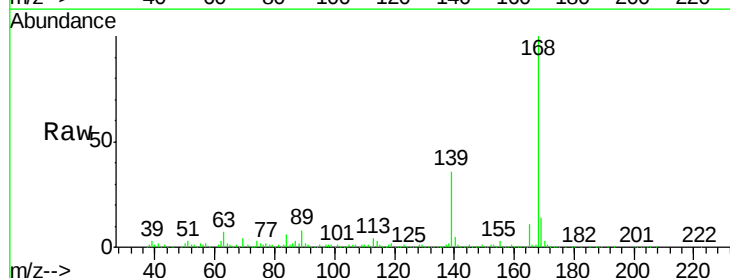
Tgt Ion:168 Resp: 401986

Ion Ratio Lower Upper

168 100

139 36.3 29.3 43.9

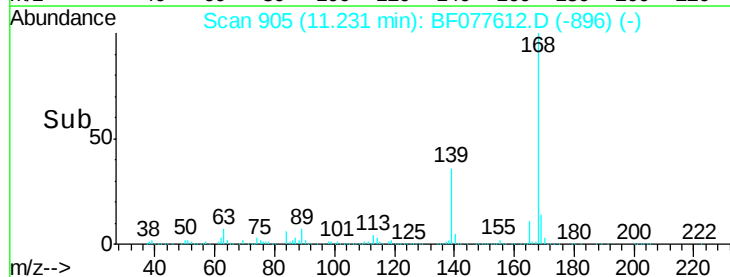
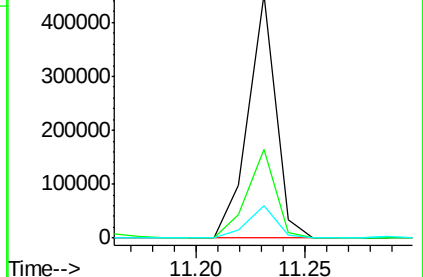
169 13.6 10.9 16.3

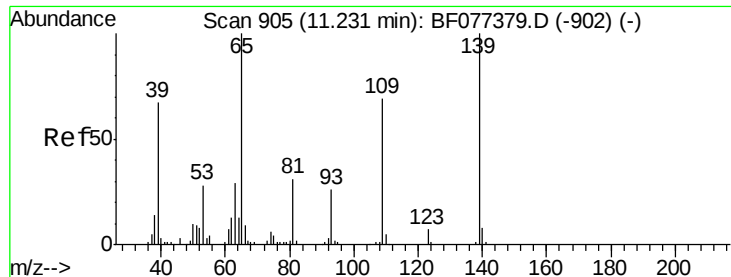


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





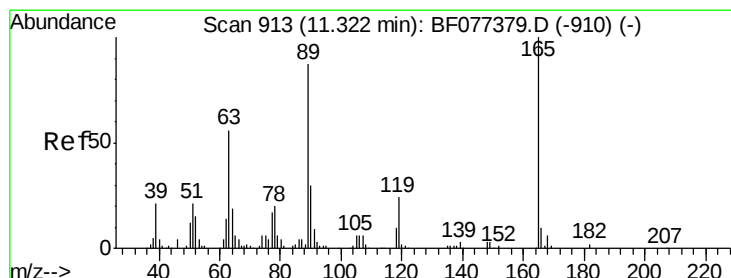
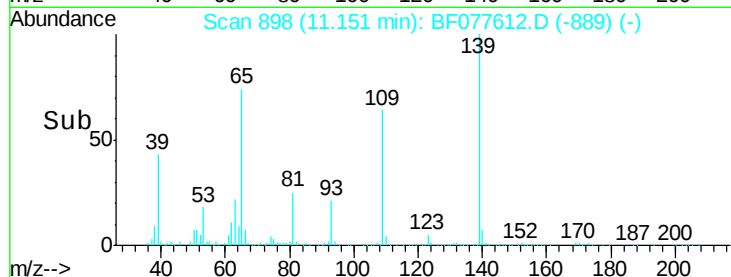
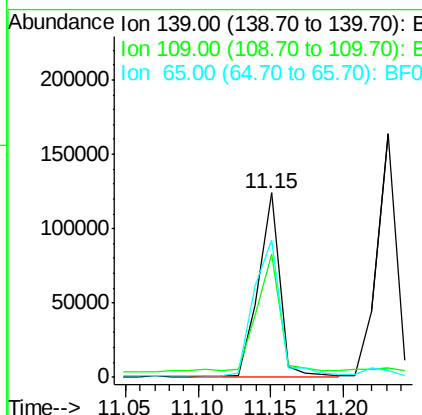
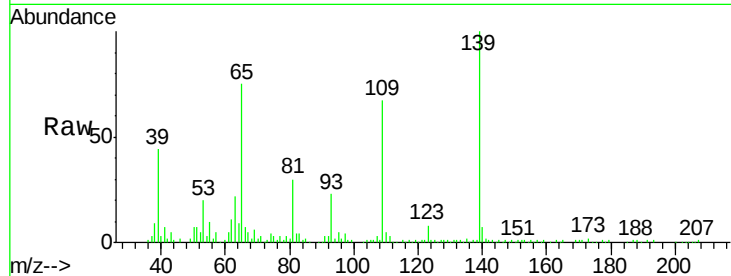
#55
4-Nitrophenol
Concen: 46.93 ng
RT: 11.15 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	126611		
109	67.2	36.2	76.2	
65	74.7	40.3	80.3	

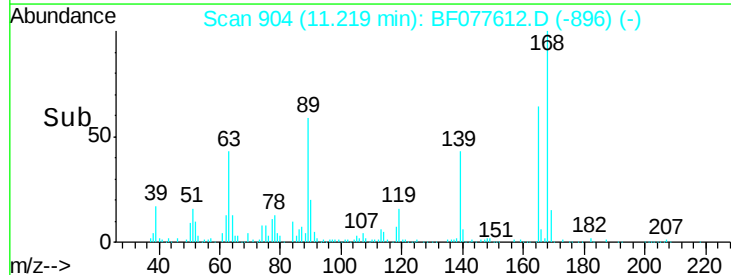
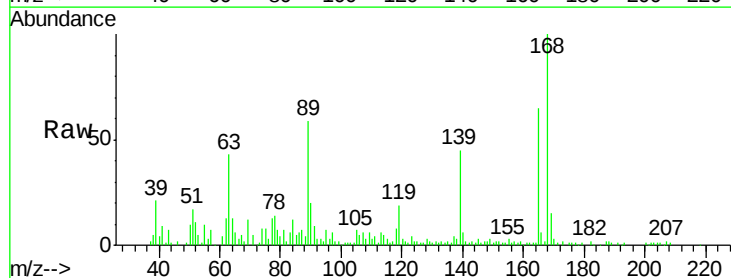
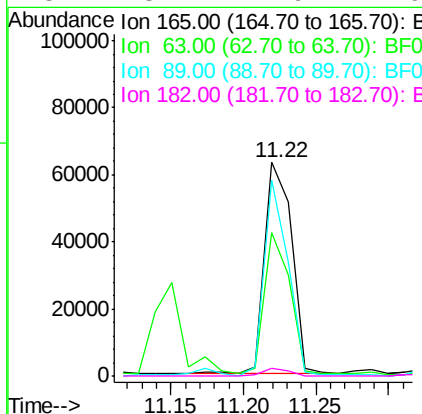
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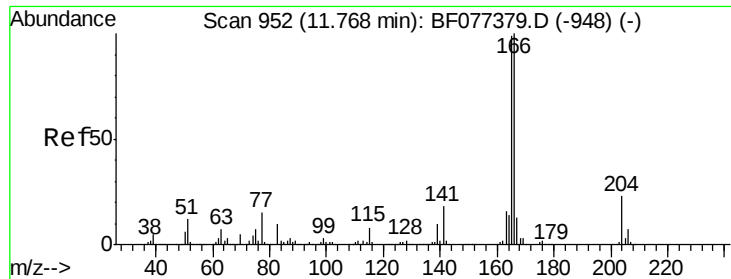
mohammad
3/5/2015 2:11:39 PM



#56
2,4-Dinitrotoluene
Concen: 20.57 ng
RT: 11.22 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	80850		
63	67.3	29.8	44.8#	
89	91.6	48.5	72.7#	
182	3.4	1.9	2.9#	





#57

Fluorene

Concen: 22.70 ng

RT: 11.65 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

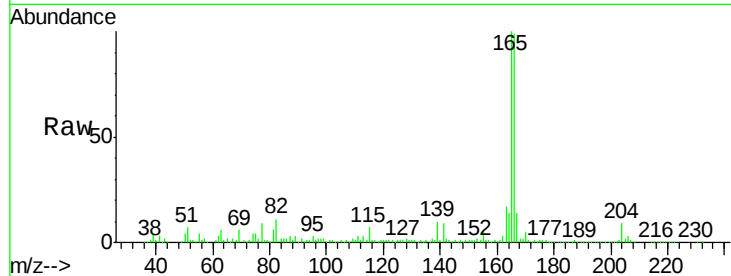
ClientSampleId :

VMA-2MSD

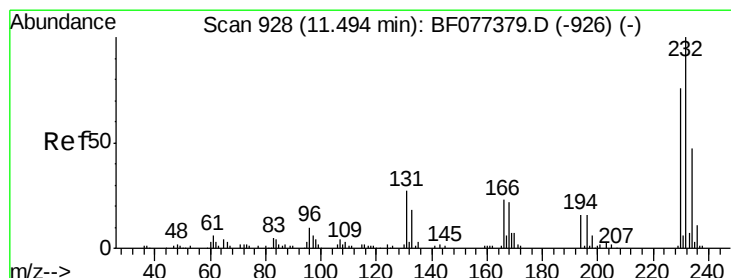
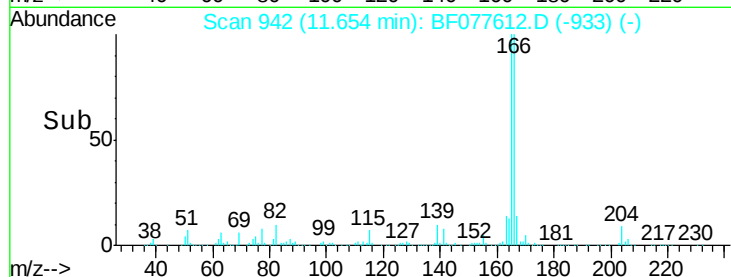
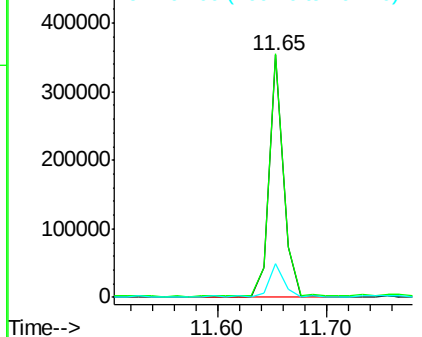
Tgt Ion:	166	Resp:	324593
Ion Ratio	Lower	Upper	
166	100		
165	100.6	77.6	116.4
167	14.1	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 22.56 ng

RT: 11.38 min Scan# 918

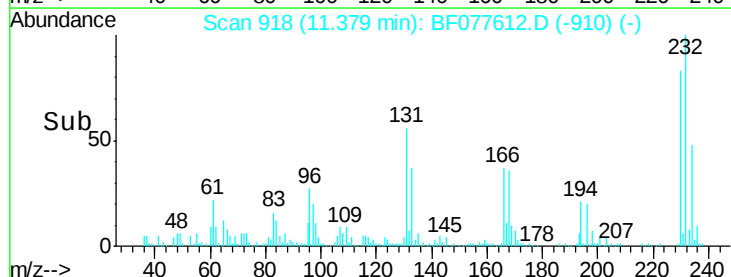
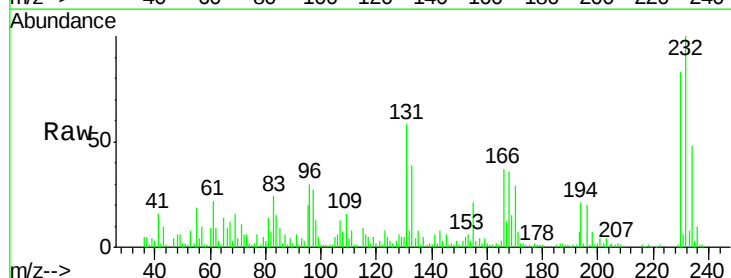
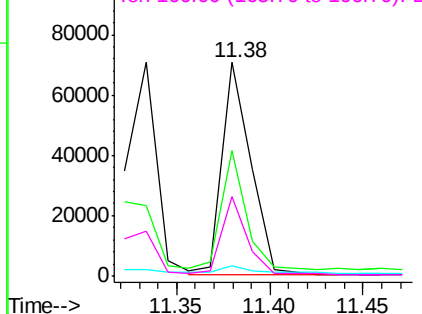
Delta R.T. 0.00 min

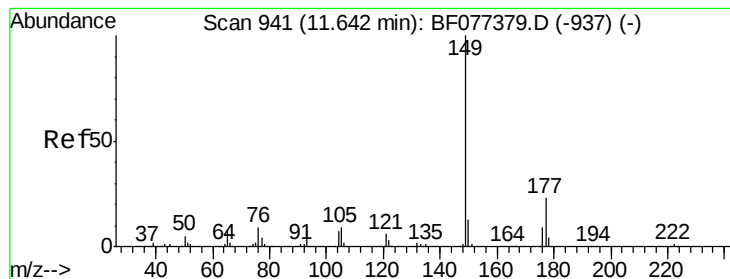
Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	232	Resp:	76058
Ion Ratio	Lower	Upper	
232	100		
131	48.1	34.2	51.2
130	3.4	1.8	2.6
166	32.5	24.3	36.5

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 22.19 ng

RT: 11.53 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

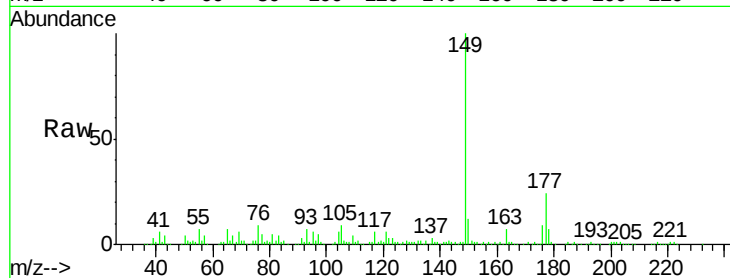
ClientSampleId :

VMA-2MSD

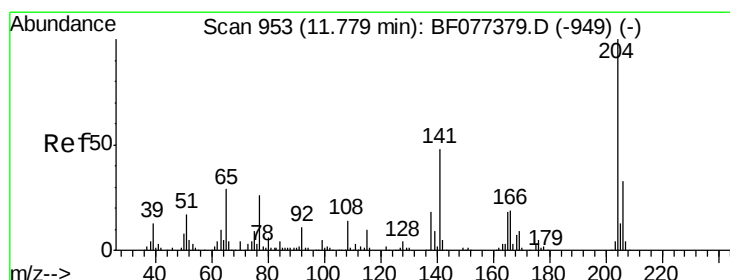
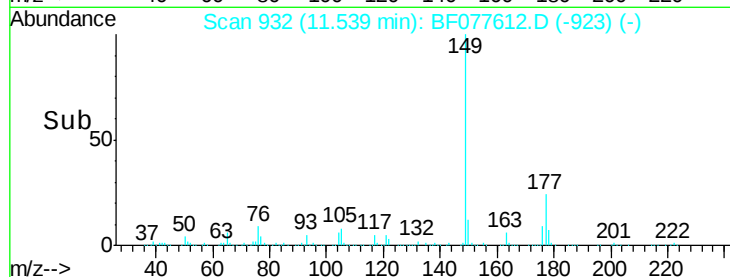
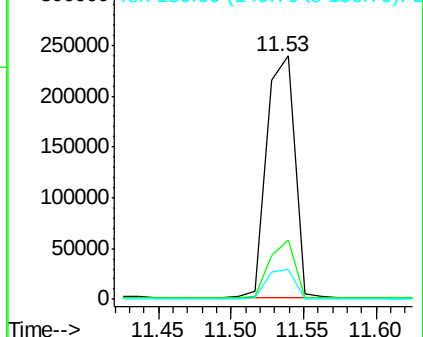
Tgt Ion:	149	Resp:	317393
Ion Ratio	Lower	Upper	
149	100		
177	24.2	17.2	25.8
150	12.3	10.5	15.7

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 21.39 ng

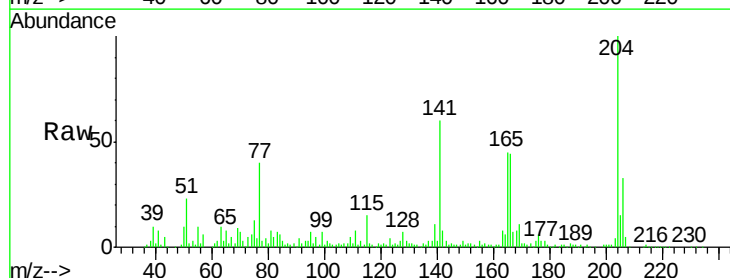
RT: 11.66 min Scan# 943

Delta R.T. -0.00 min

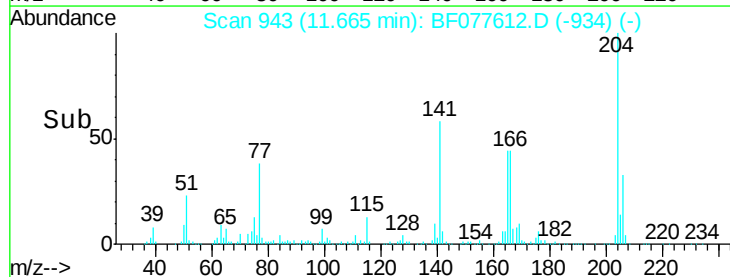
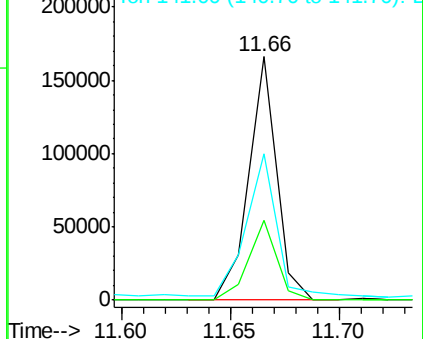
Lab File: BF077612.D

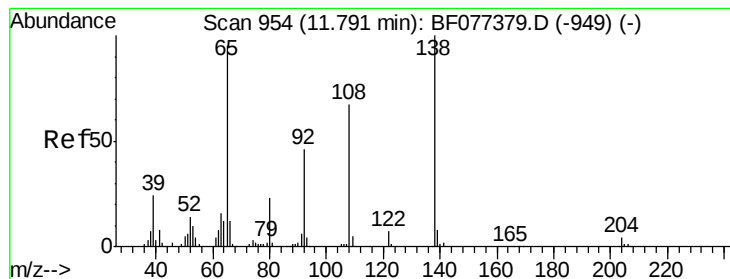
Acq: 5 Mar 2015 8:18

Tgt Ion:	204	Resp:	147401
Ion Ratio	Lower	Upper	
204	100		
206	32.8	25.9	38.9
141	59.9	43.6	65.4



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





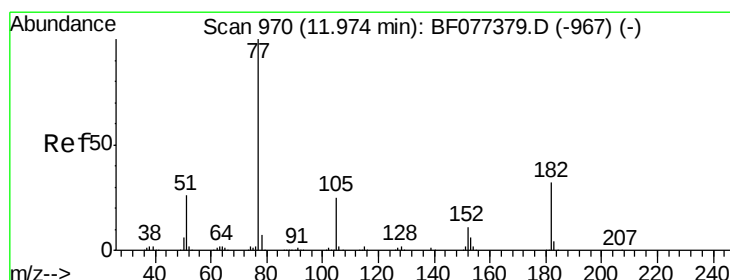
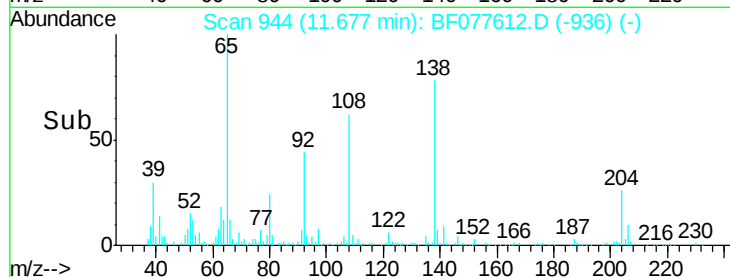
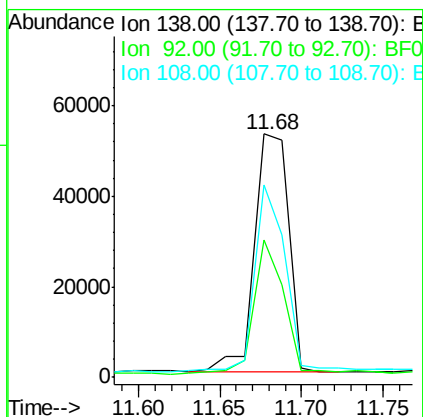
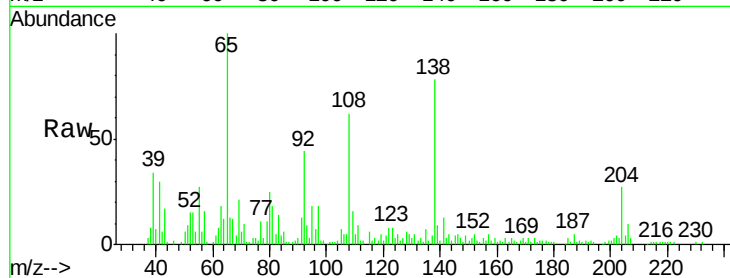
#61
4-Nitroaniline
Concen: 23.94 ng
RT: 11.68 min Scan# 944
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.2	32.8	72.8
108	79.1	52.1	92.1

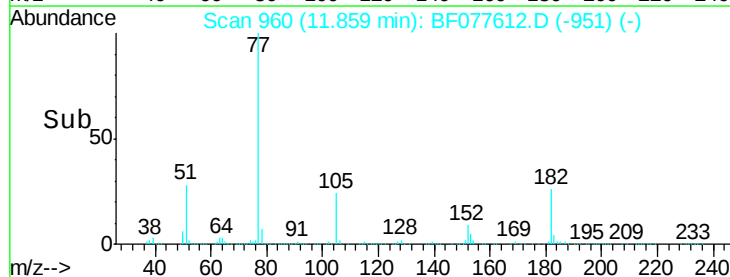
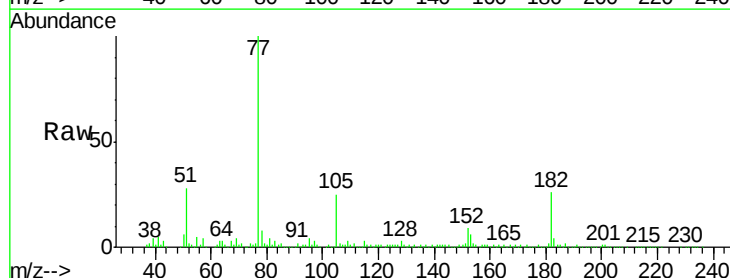
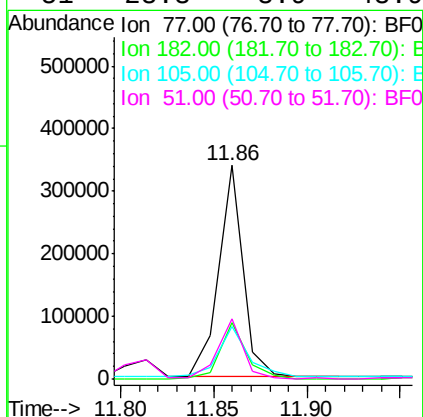
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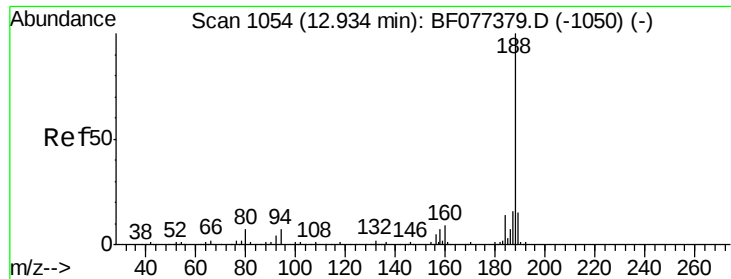
mohammad
3/5/2015 2:11:39 PM



#62
Azobenzene
Concen: 22.73 ng
RT: 11.86 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	24.5	3.3	43.3
51	28.3	8.9	48.9





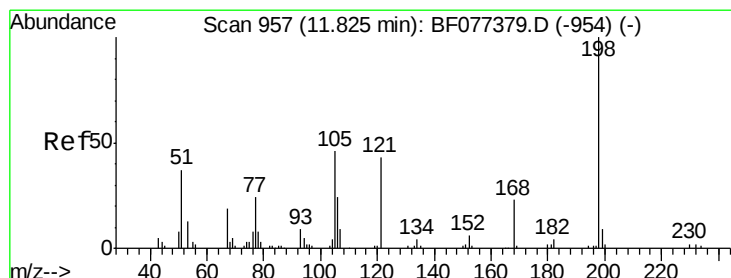
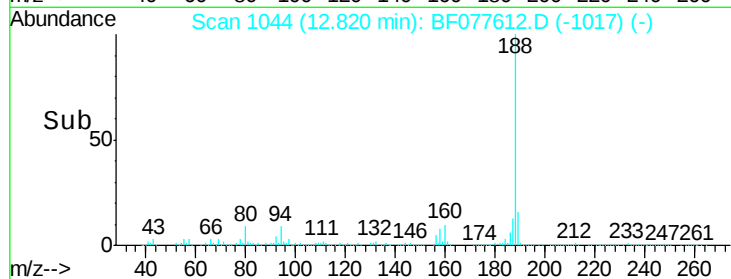
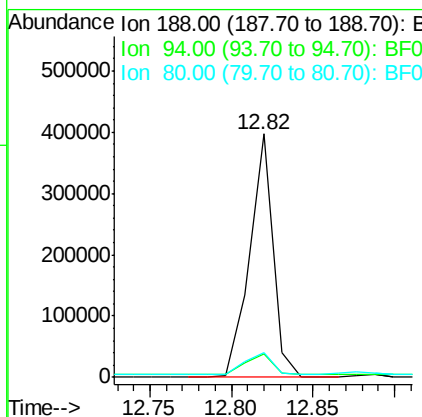
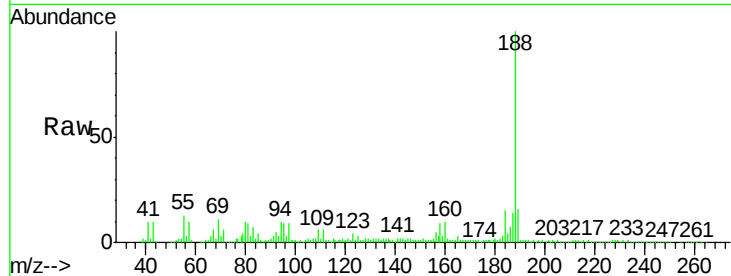
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	7.4	11.2
80	10.0	8.0	12.0

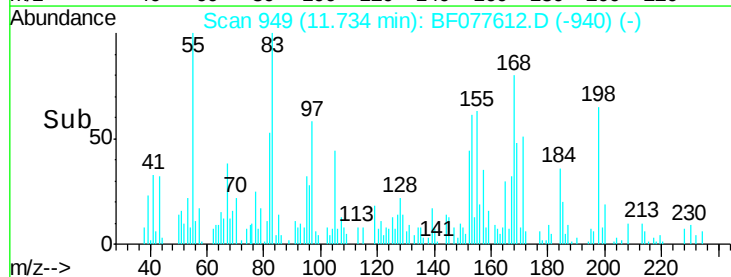
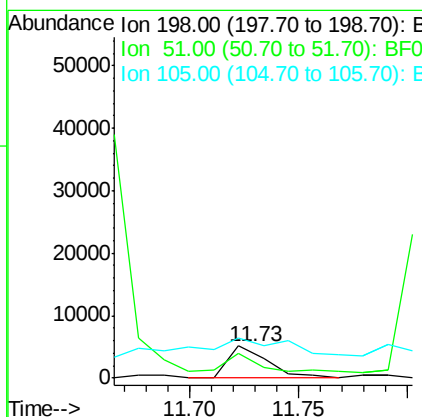
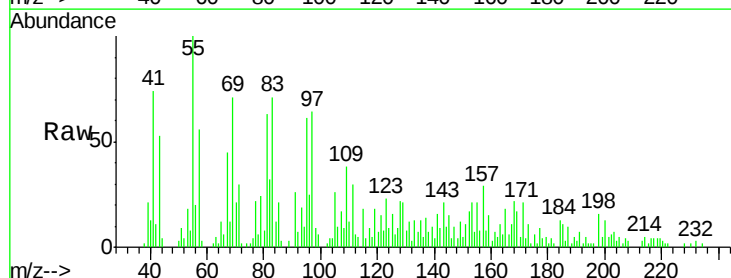
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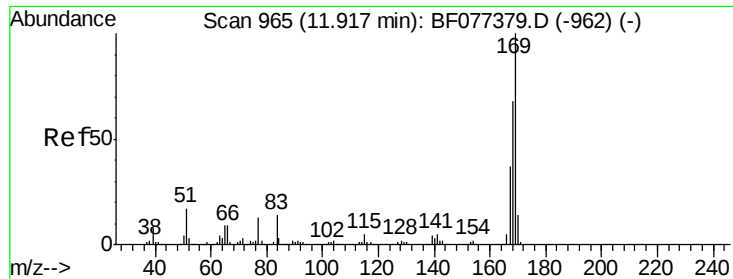
mohammad
3/5/2015 2:11:39 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 7.46 ng
RT: 11.73 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	53.8	2.7	42.7#
105	161.7	10.0	50.0#





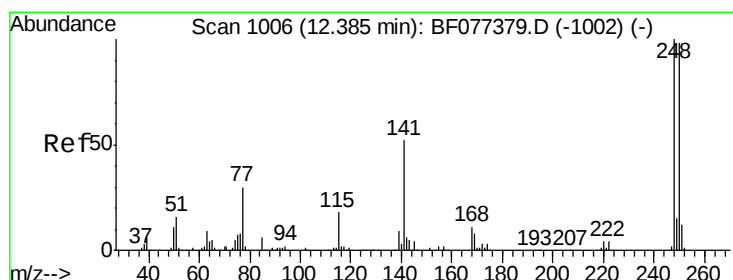
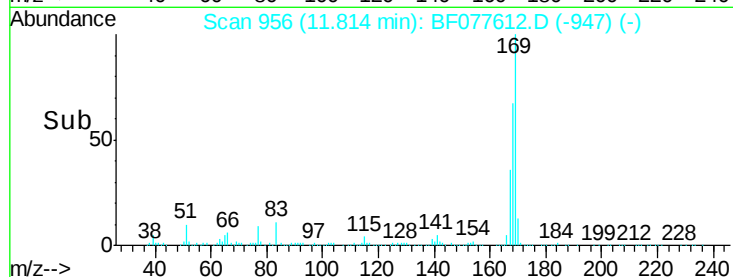
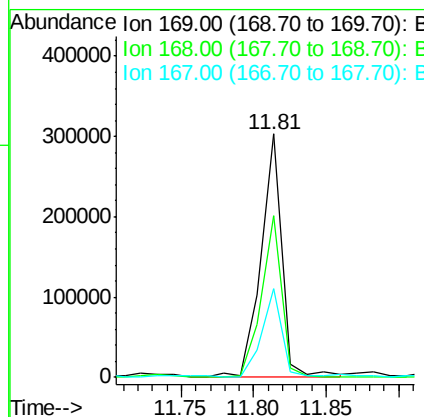
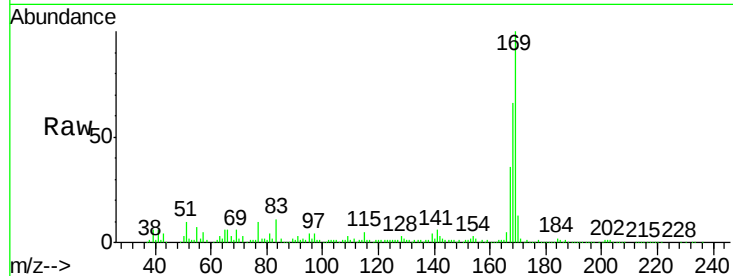
#65
n-Nitrosodiphenylamine
Concen: 23.04 ng
RT: 11.81 min Scan# 956
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	66.3	53.0	79.6
167	36.4	29.5	44.3

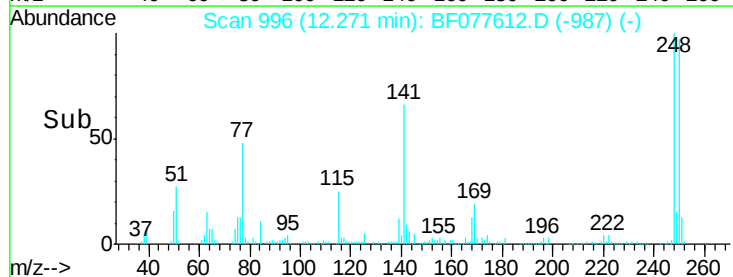
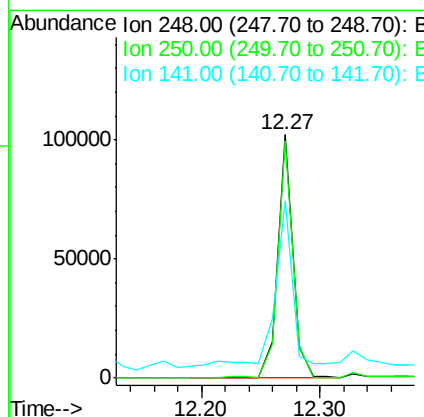
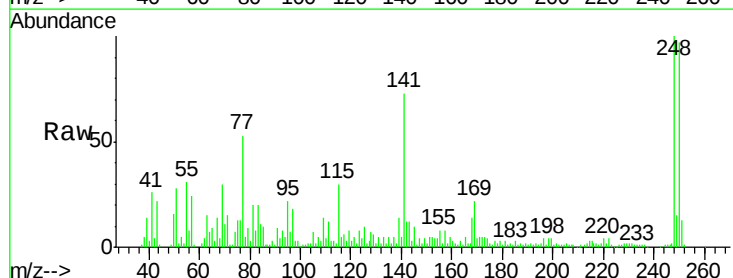
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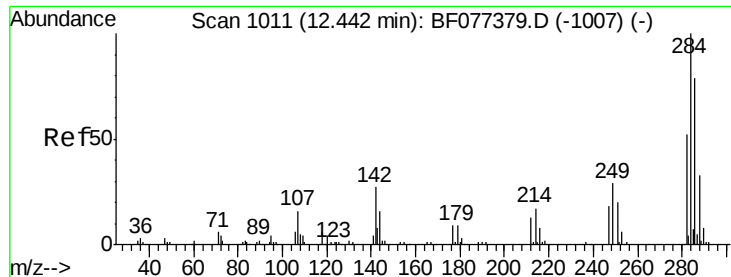
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 19.86 ng
RT: 12.27 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	97.4	78.0	117.0
141	72.9	54.1	81.1





#67

Hexachlorobenzene

Concen: 18.63 ng

RT: 12.33 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

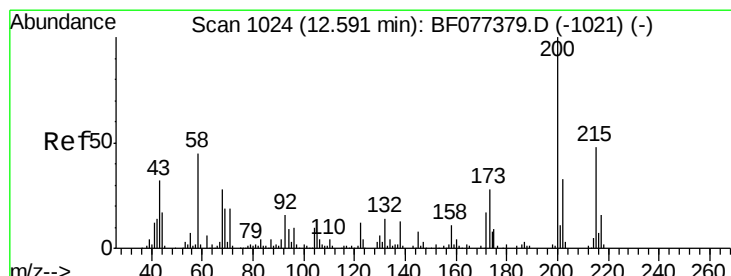
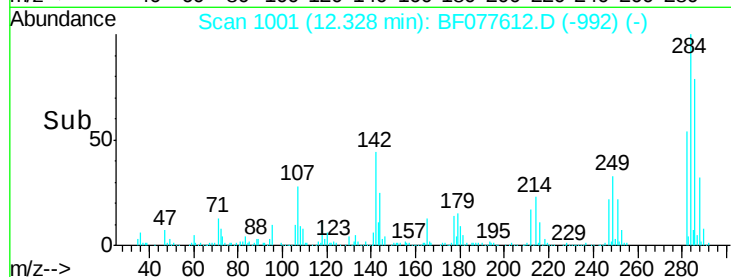
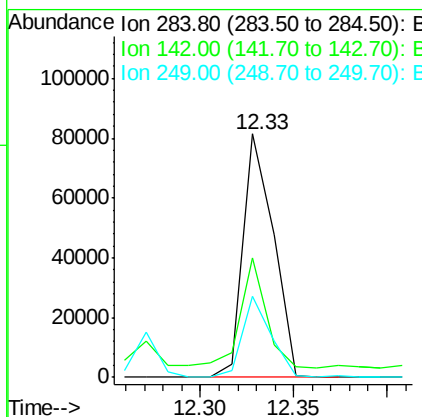
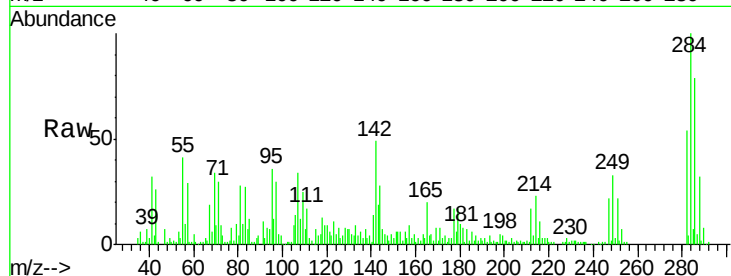
ClientSampleId :

VMA-2MSD

Tgt Ion:	284	Resp:	92093
Ion Ratio	Lower	Upper	
284	100		
142	48.8	31.6	47.4#
249	33.3	27.0	40.4

Manual Integrations
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#68

Atrazine

Concen: 21.08 ng

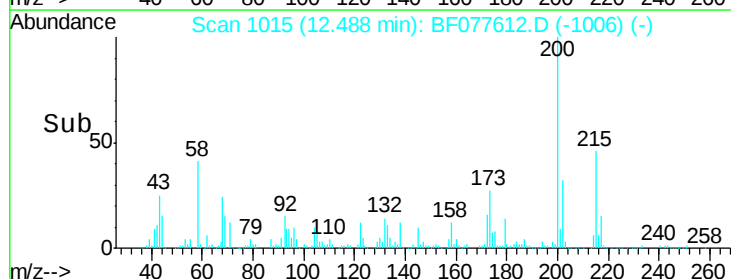
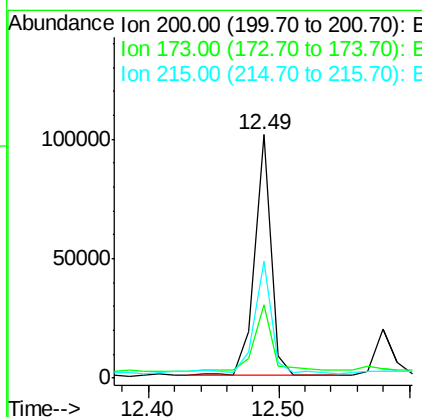
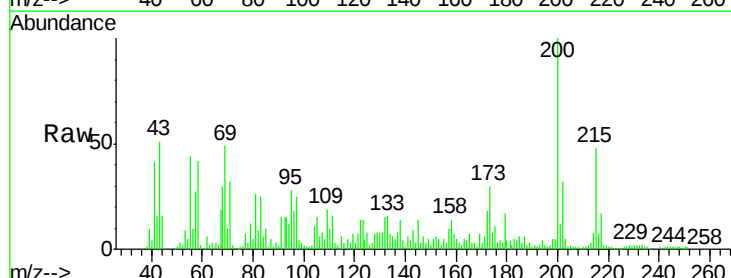
RT: 12.49 min Scan# 1015

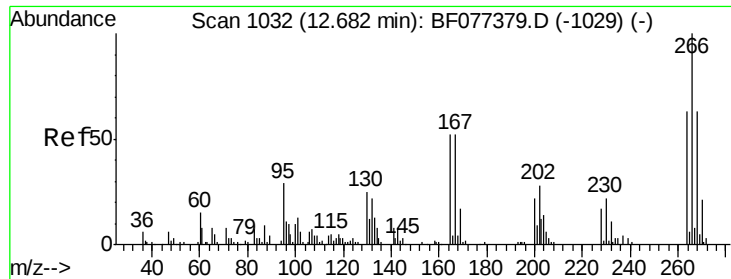
Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	200	Resp:	89447
Ion Ratio	Lower	Upper	
200	100		
173	30.0	9.6	49.6
215	48.0	24.4	64.4





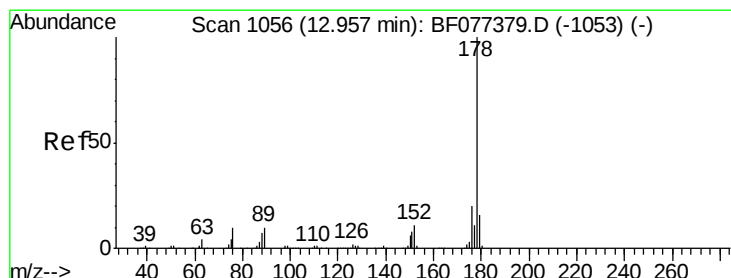
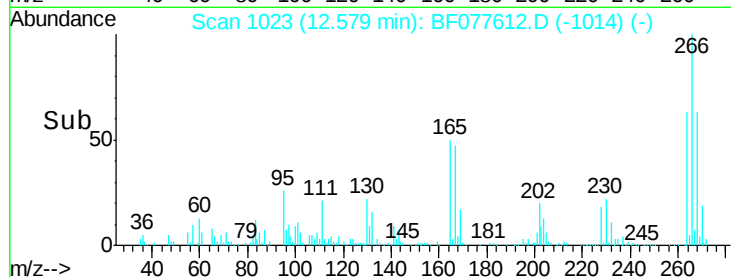
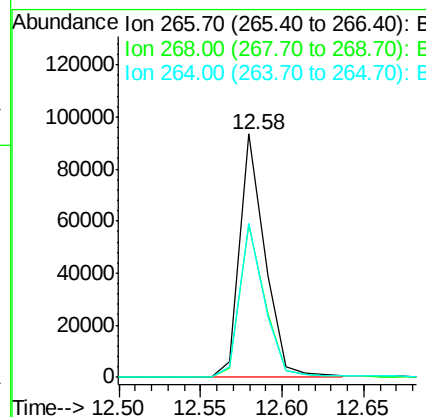
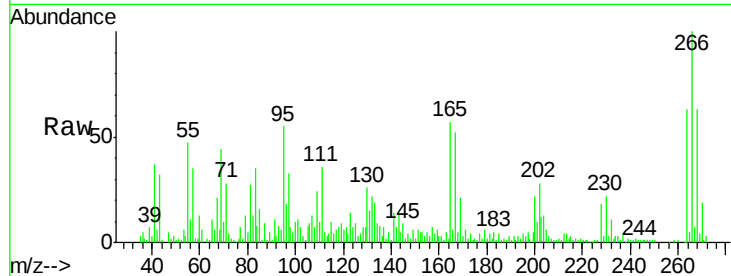
#69
 Pentachlorophenol
 Concen: 38.58 ng
 RT: 12.58 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	100267		
268	62.6	51.2	76.8	
264	63.4	50.7	76.1	

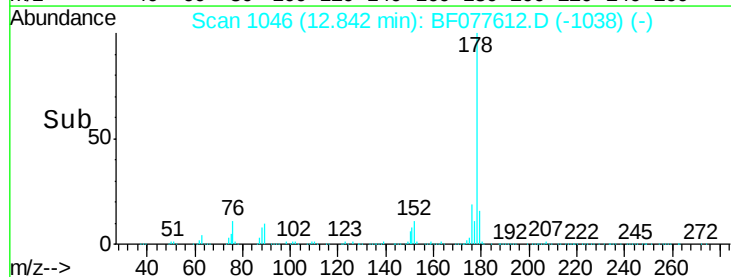
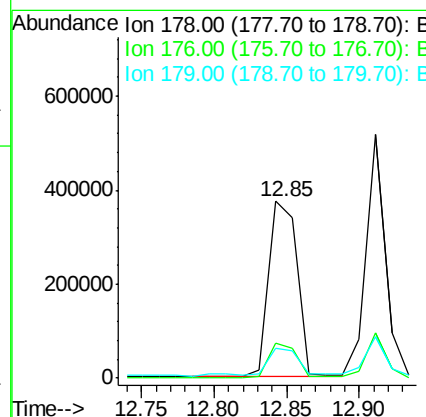
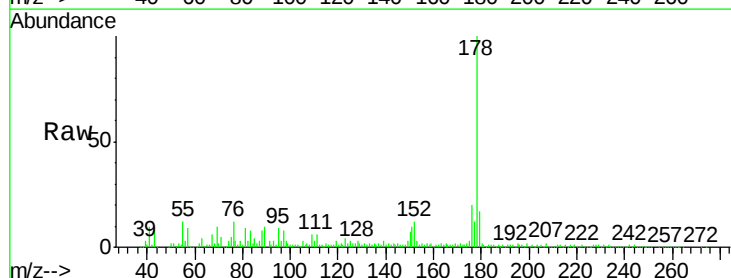
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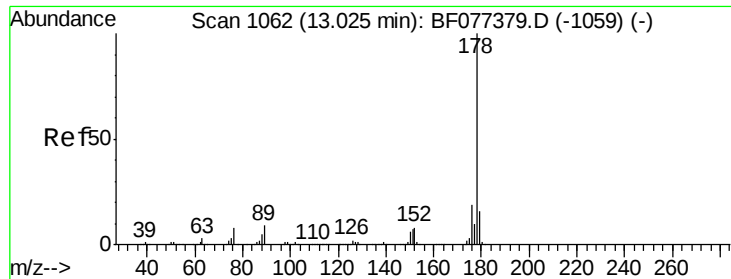
mohammad
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#70
 Phenanthrene
 Concen: 22.31 ng
 RT: 12.85 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	508575		
176	19.6	15.5	23.3	
179	17.1	12.2	18.2	





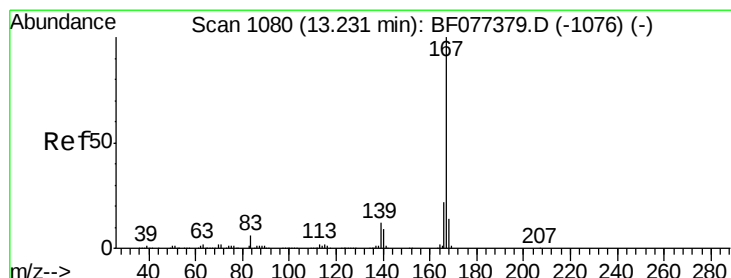
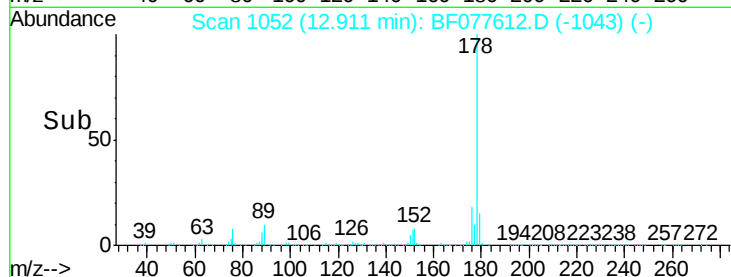
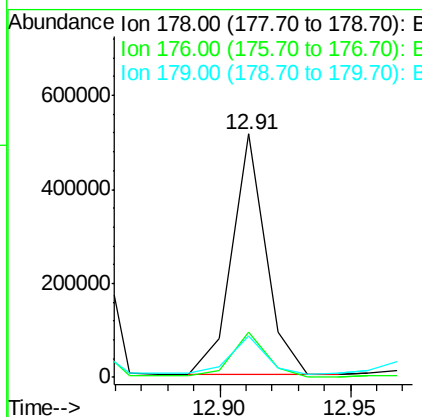
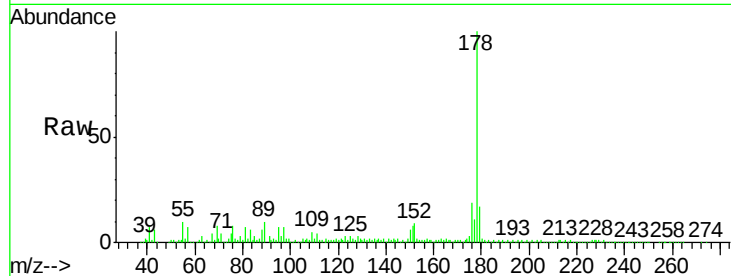
#71
 Anthracene
 Concen: 20.66 ng
 RT: 12.91 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	16.7	12.9	19.3

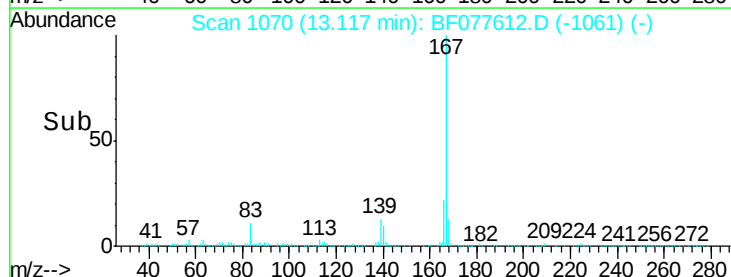
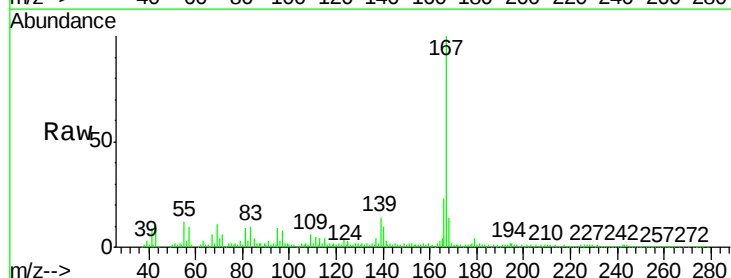
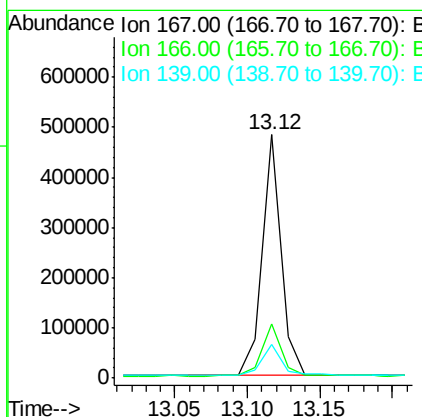
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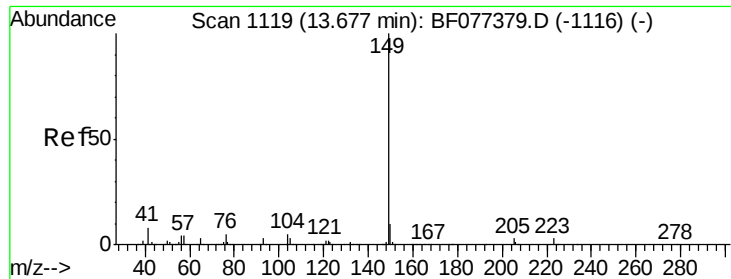
mohammad
 3/5/2015 2:11:39 PM



#72
 Carbazole
 Concen: 20.38 ng
 RT: 13.12 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	14.0	9.9	14.9





#73

Di-n-butylphthalate

Concen: 19.98 ng

RT: 13.57 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

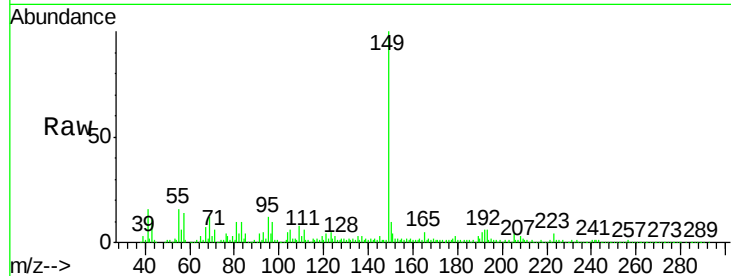
ClientSampleId :

VMA-2MSD

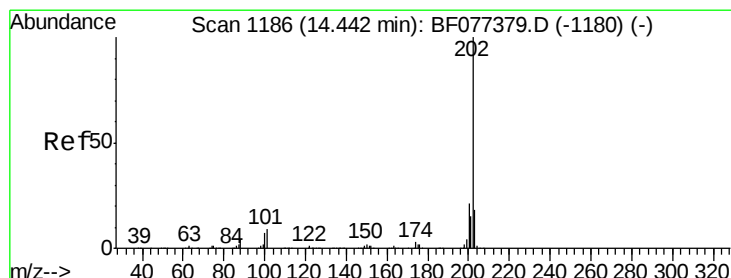
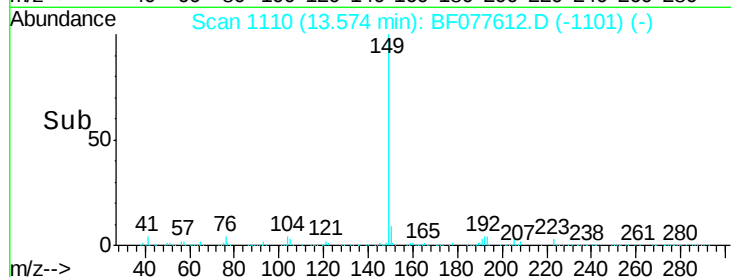
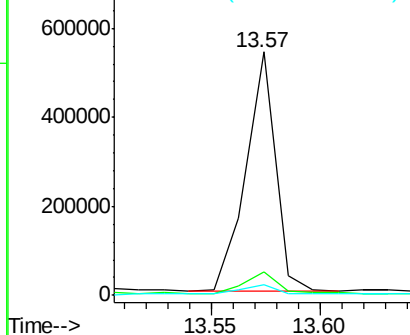
Tgt Ion:	149	Resp:	504724
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.8
104	4.6	4.1	6.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 19.64 ng

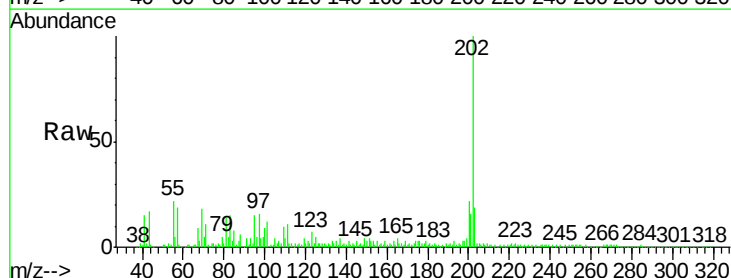
RT: 14.33 min Scan# 1176

Delta R.T. 0.01 min

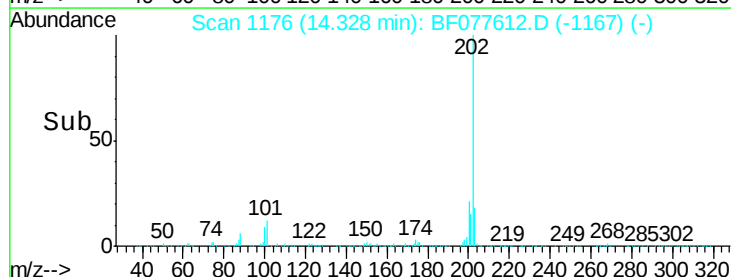
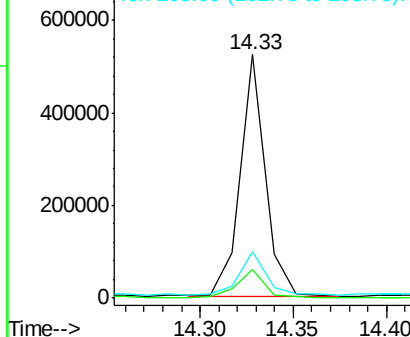
Lab File: BF077612.D

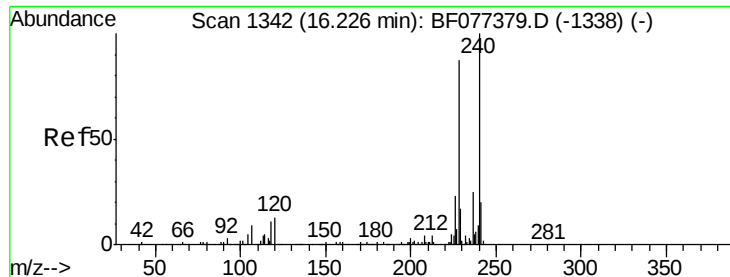
Acq: 5 Mar 2015 8:18

Tgt Ion:	202	Resp:	489154
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	30.8
203	18.9	0.0	37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





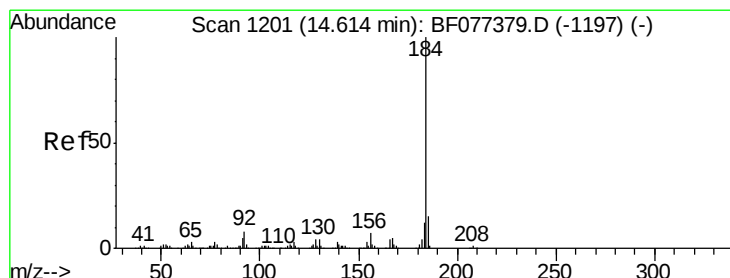
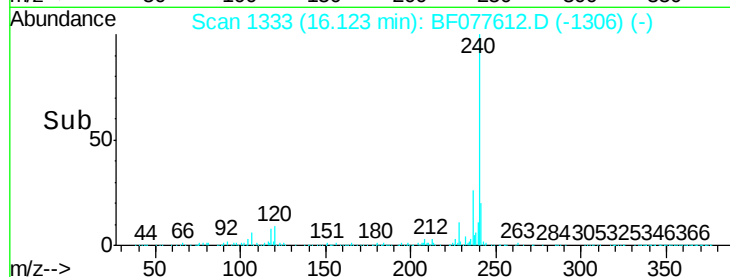
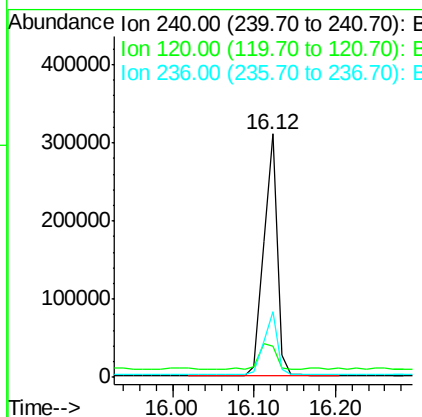
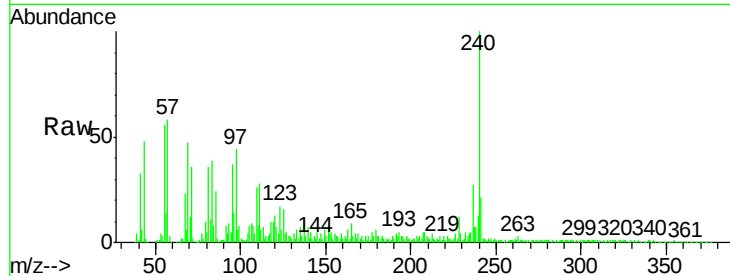
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.8	8.8	13.2
236	27.0	20.7	31.1

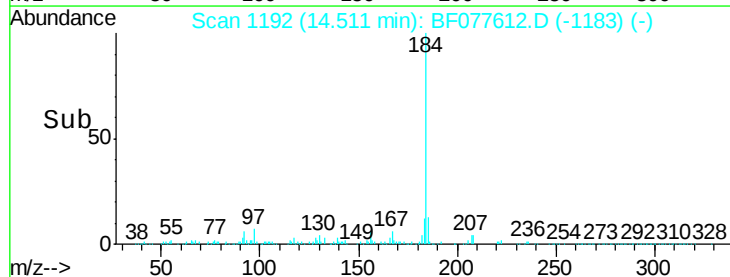
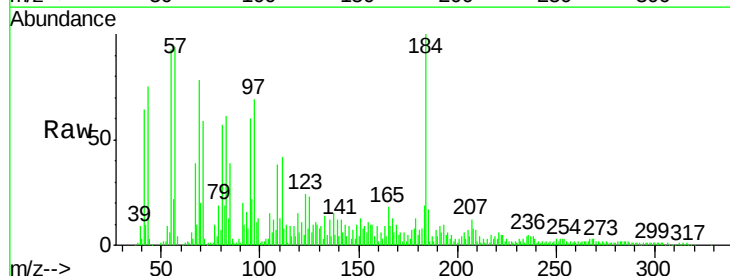
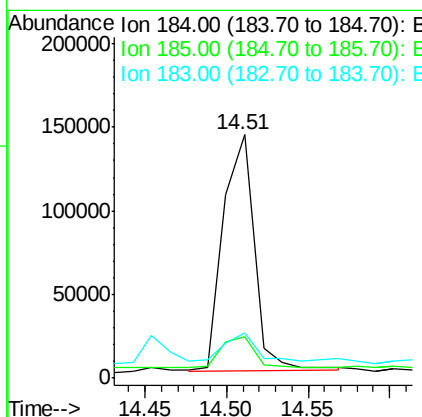
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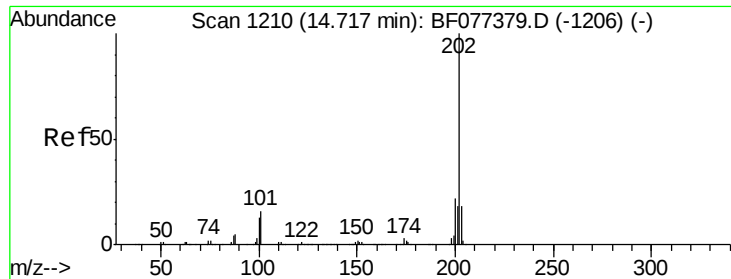
mohammad
3/5/2015 2:11:39 PM



#76
Benzidine
Concen: 15.34 ng
RT: 14.51 min Scan# 1192
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
184	100		
185	17.1	12.6	18.8
183	18.7	9.3	13.9





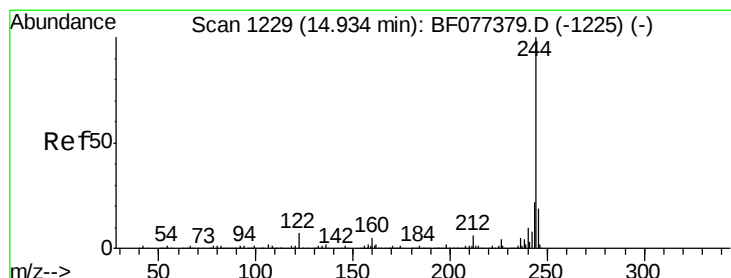
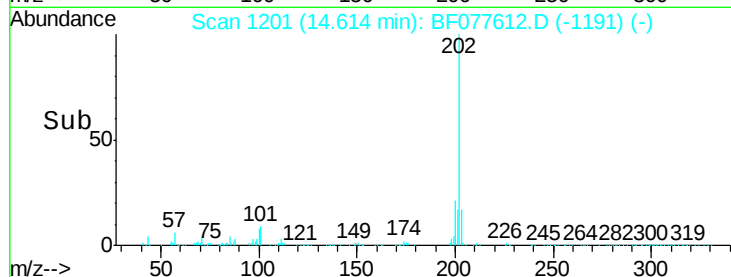
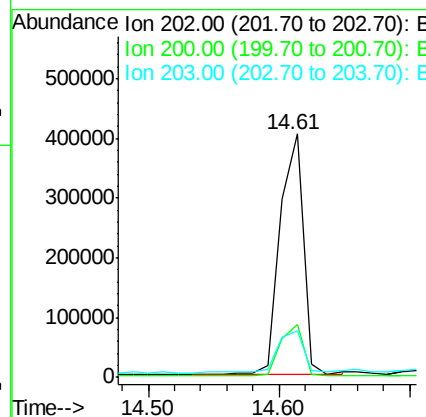
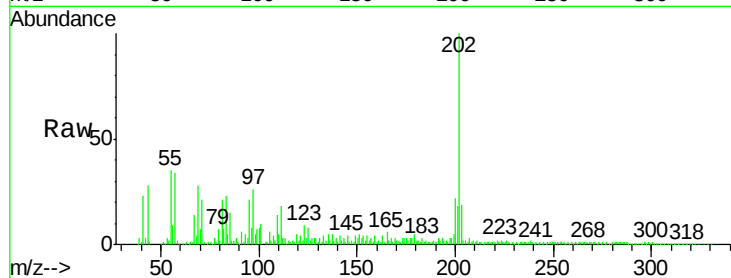
#77
 Pyrene
 Concen: 23.00 ng
 RT: 14.61 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	17.1	25.7
203	19.0	14.2	21.2

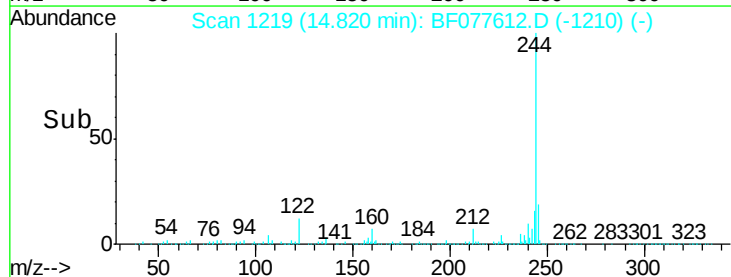
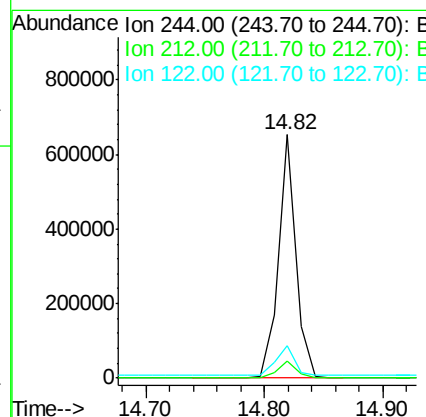
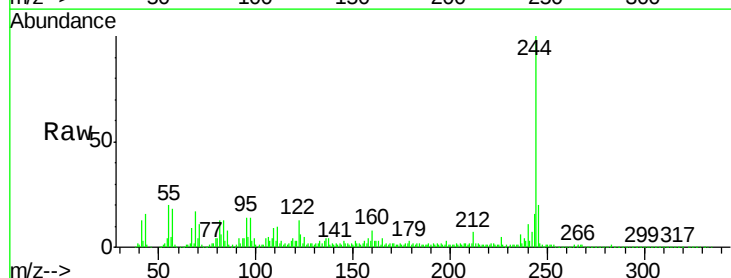
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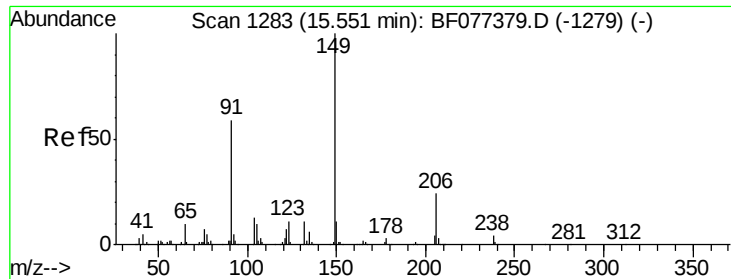
mohammad
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#78
 Terphenyl-d14
 Concen: 42.94 ng
 RT: 14.82 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	5.2	7.8
122	13.2	7.8	11.8





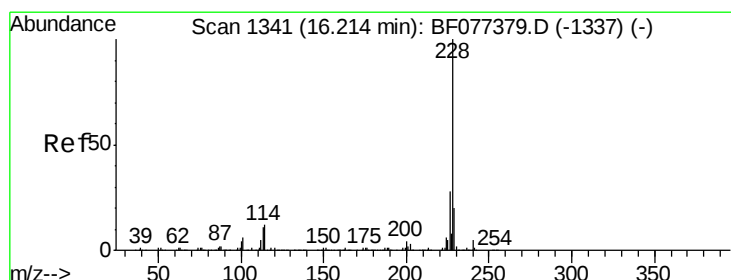
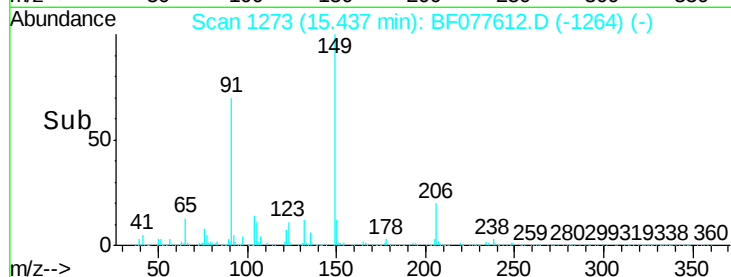
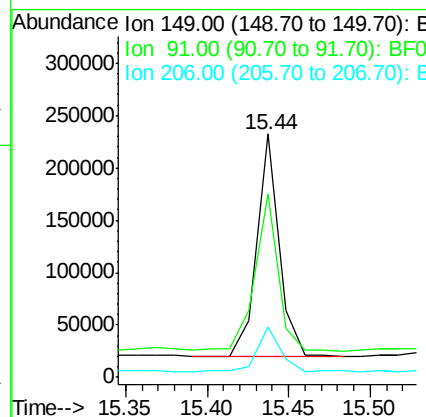
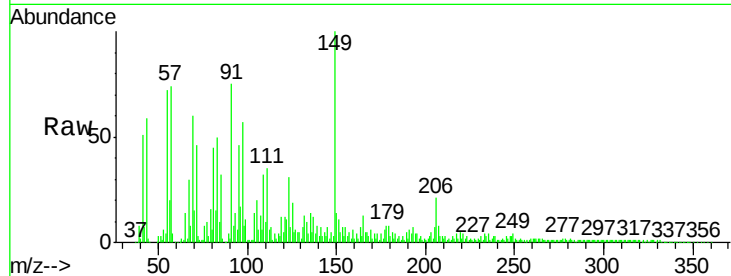
#79
Butylbenzylphthalate
Concen: 22.03 ng
RT: 15.44 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	75.4	51.2	76.8
206	20.6	17.8	26.8

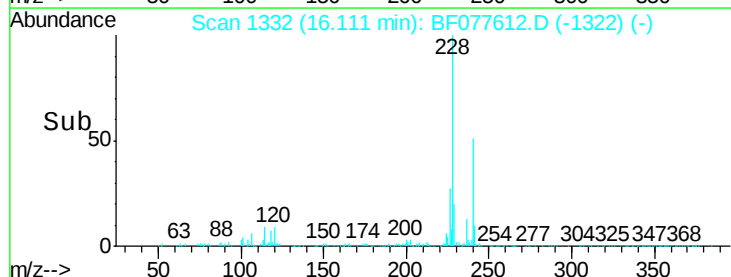
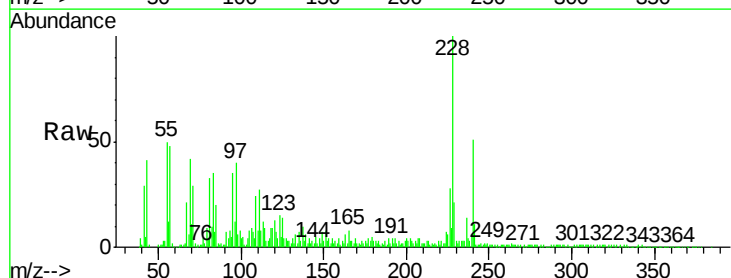
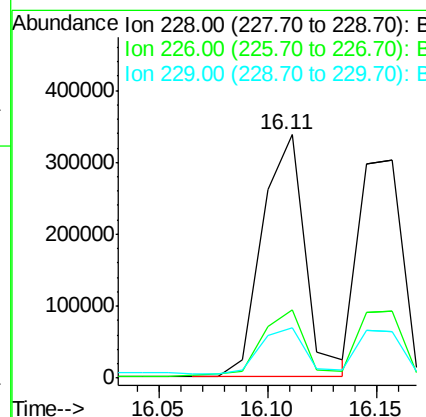
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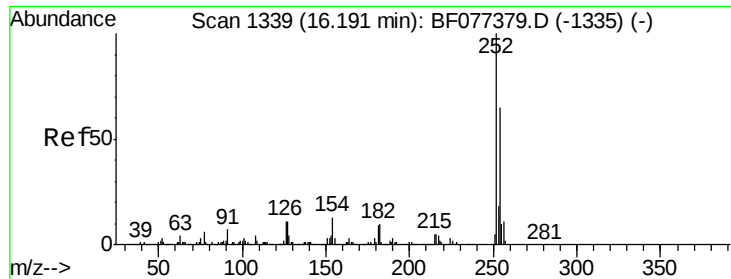
mohammad
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#80
Benzo(a)anthracene
Concen: 21.89 ng
RT: 16.11 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.8	22.0	33.0
229	20.9	15.8	23.8





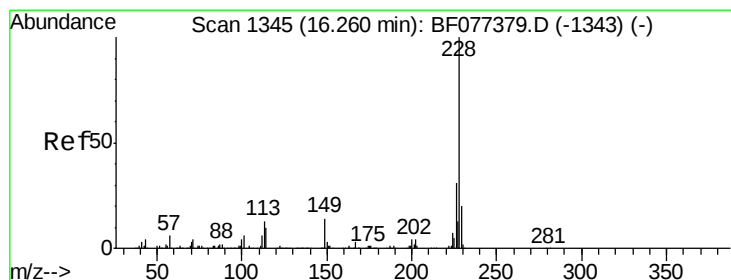
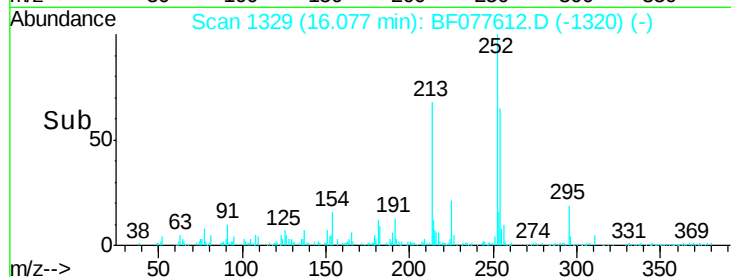
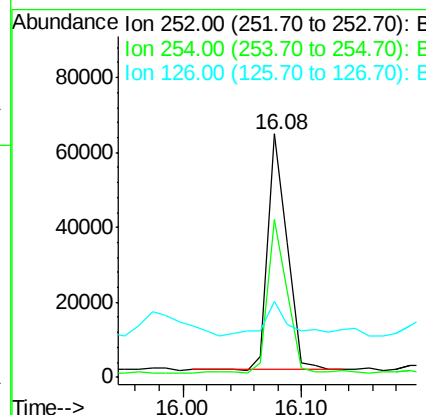
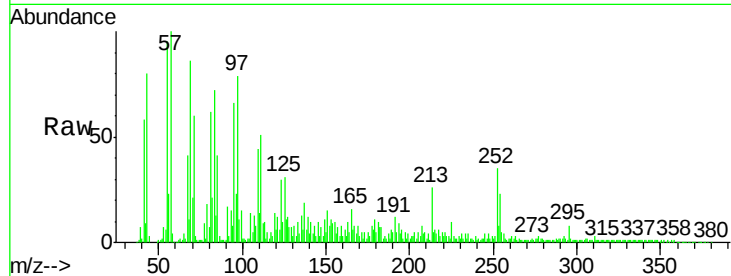
#81
 3,3'-Dichlorobenzidine
 Concen: 9.26 ng
 RT: 16.08 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.9	79.3
126	31.4	7.3	10.9

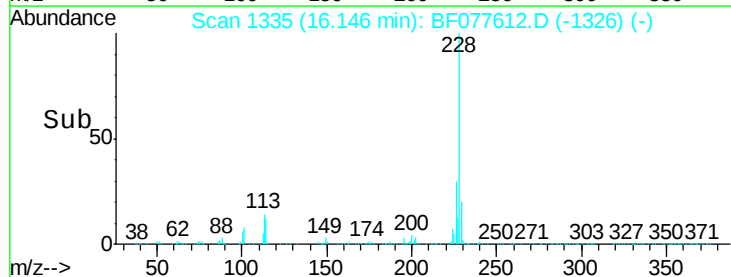
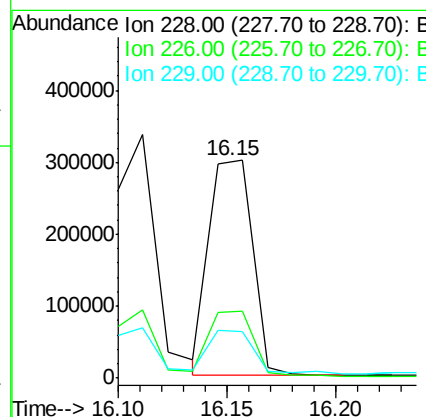
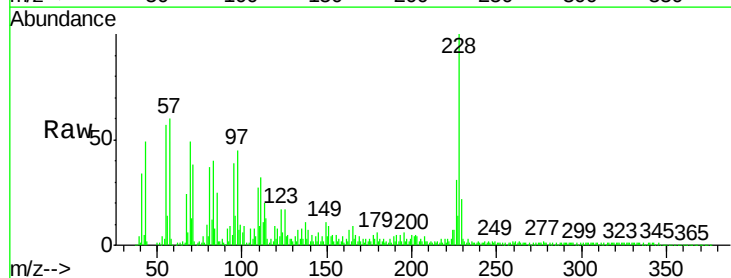
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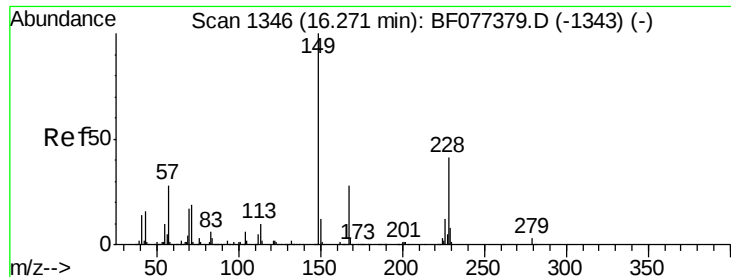
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#82
 Chrysene
 Concen: 20.97 ng
 RT: 16.15 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.2	16.4	24.6





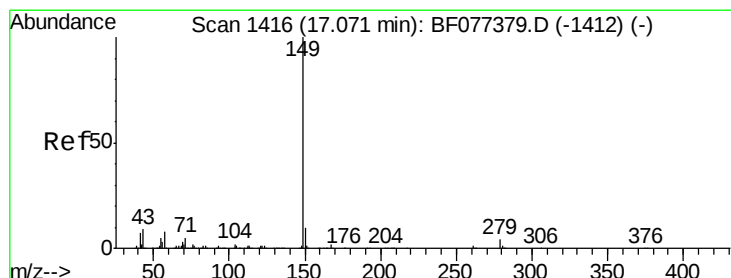
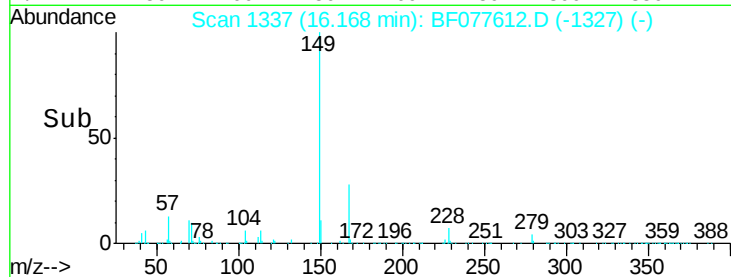
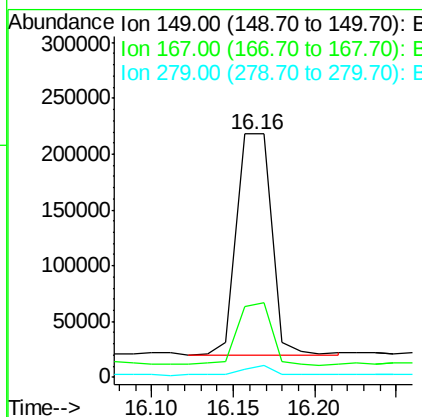
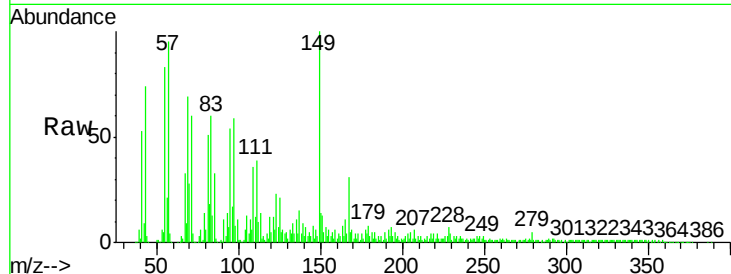
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.19 ng
 RT: 16.16 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Instrument :
 BNA_F
 ClientSampleId :
 VMA-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	294642		
167	30.7	22.8	34.2	
279	5.1	3.8	5.6	

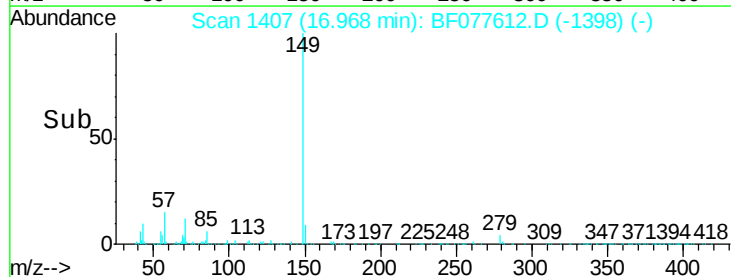
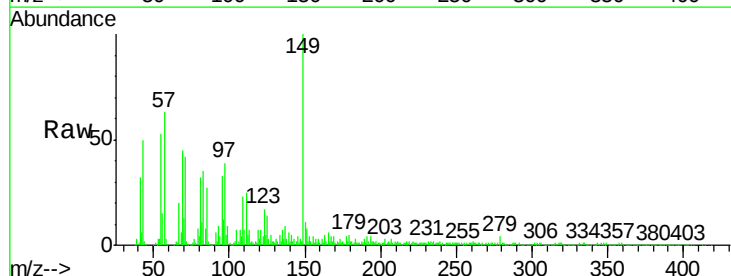
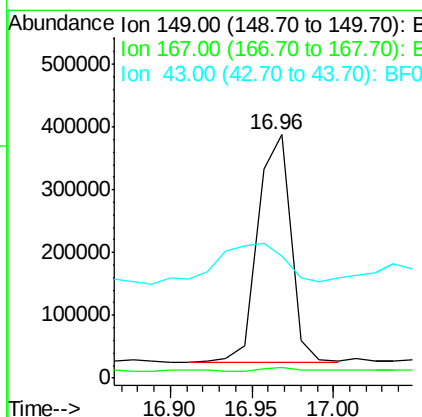
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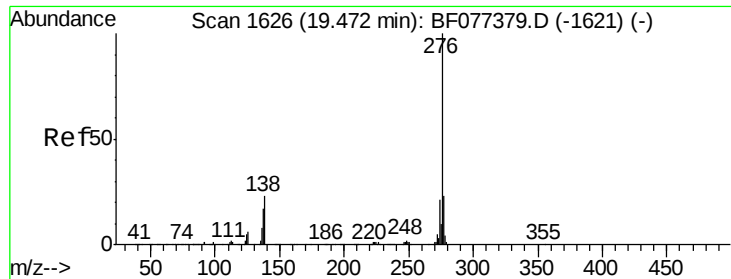
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 20.90 ng
 RT: 16.96 min Scan# 1407
 Delta R.T. 0.00 min
 Lab File: BF077612.D
 Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	509211		
167	1.8	1.3	1.9	
43	0.0	8.1	12.1	





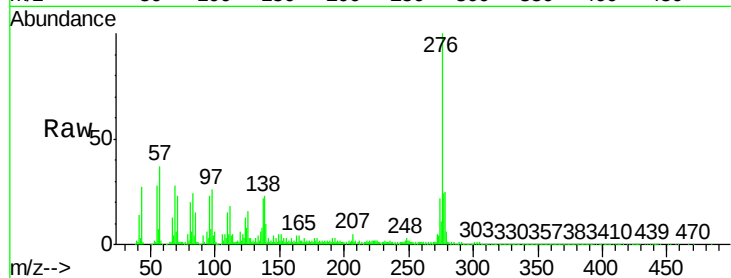
#85
Indeno(1,2,3-cd)pyrene
Concen: 22.44 ng
RT: 19.31 min Scan# 1612
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Instrument :
BNA_F
ClientSampleId :
VMA-2MSD

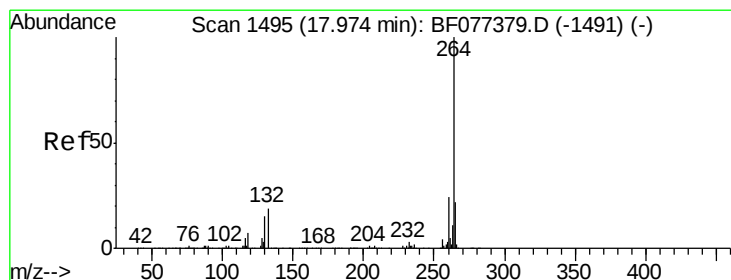
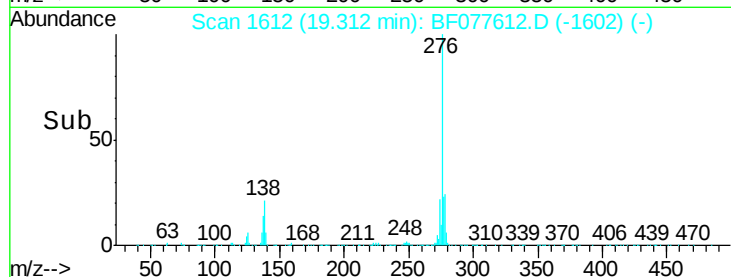
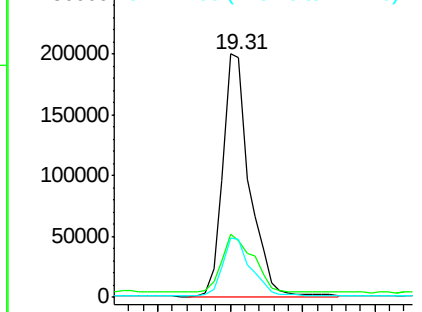
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.2	31.8
277	24.4	20.0	30.0

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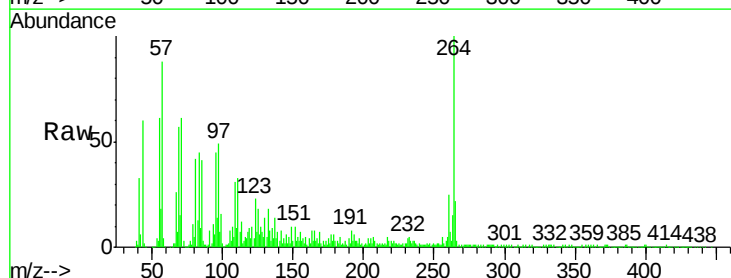


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

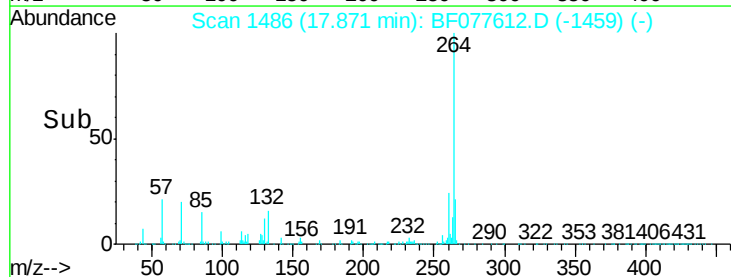
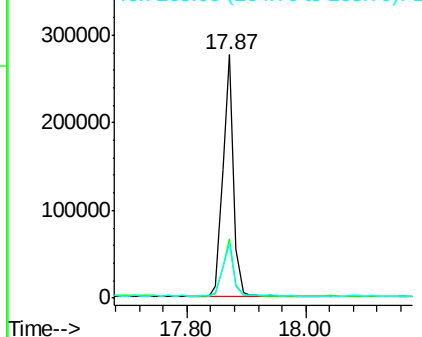


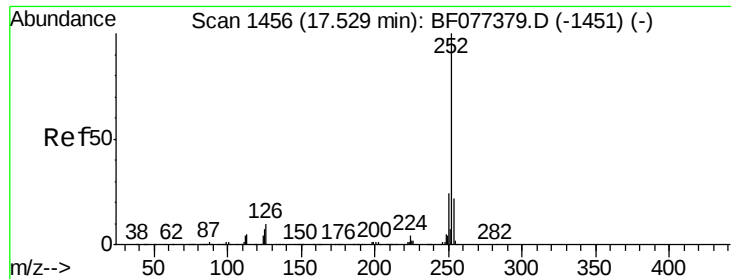
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.87 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BF077612.D
Acq: 5 Mar 2015 8:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	22.2	16.8	25.2



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: 23.09 ng

RT: 17.42 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

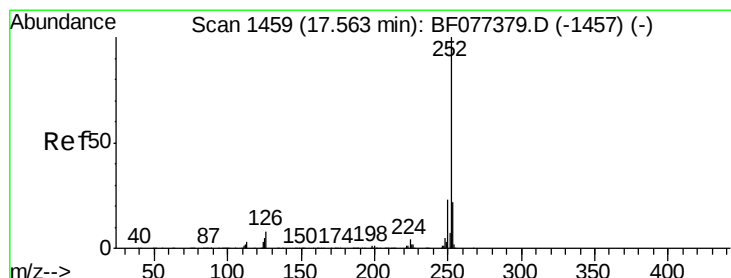
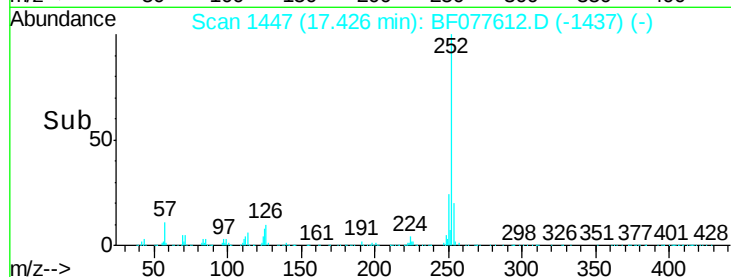
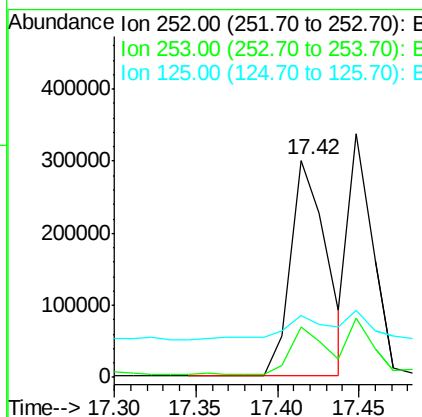
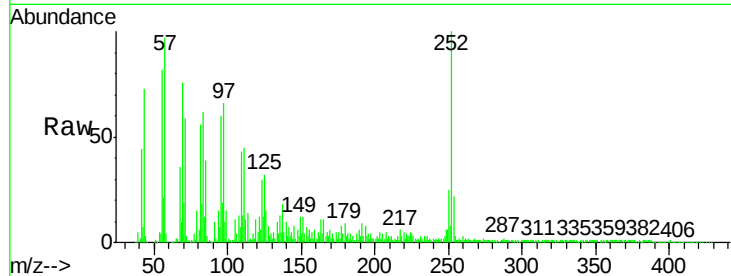
ClientSampled :

VMA-2MSD

Tgt Ion:	252	Resp:	461065
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	32.1	5.4	8.2#

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#88

Benzo(k)fluoranthene

Concen: 18.06 ng m

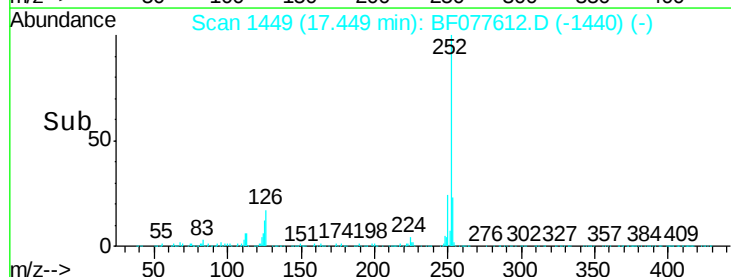
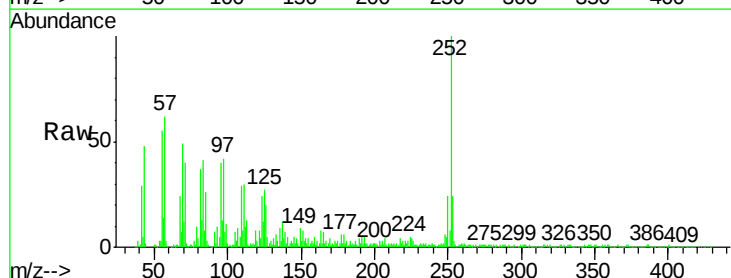
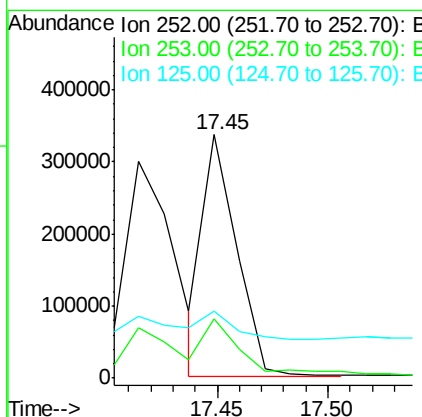
RT: 17.45 min Scan# 1449

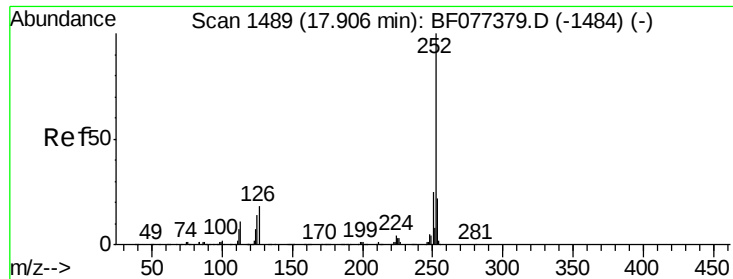
Delta R.T. 0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	252	Resp:	353415
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	27.5	10.1	15.1#





#89

Benzo(a)pyrene

Concen: 21.37 ng

RT: 17.80 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

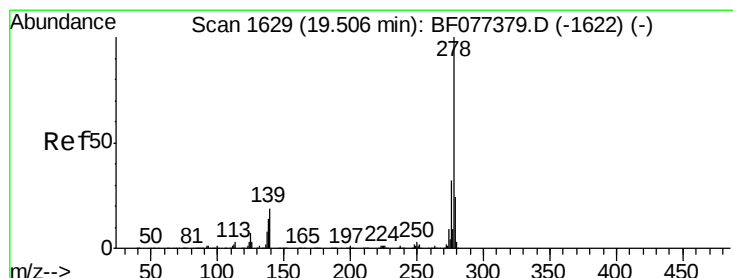
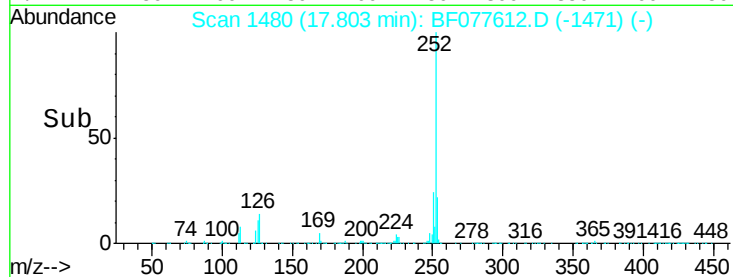
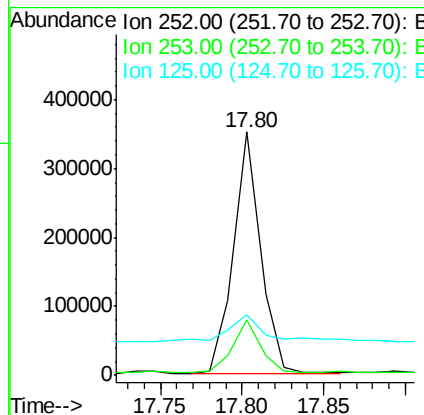
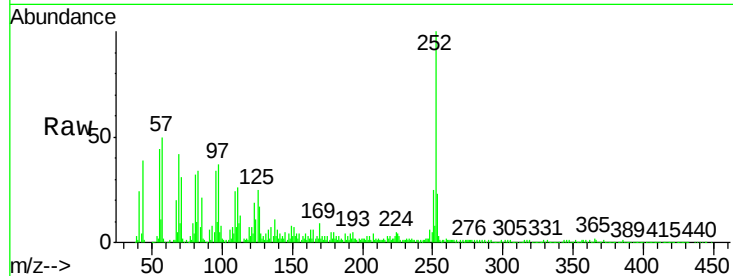
ClientSampleId :

VMA-2MSD

Tgt Ion:	252	Resp:	406439
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	25.1	8.3	12.5#

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#90

Dibenzo(a,h)anthracene

Concen: 22.92 ng

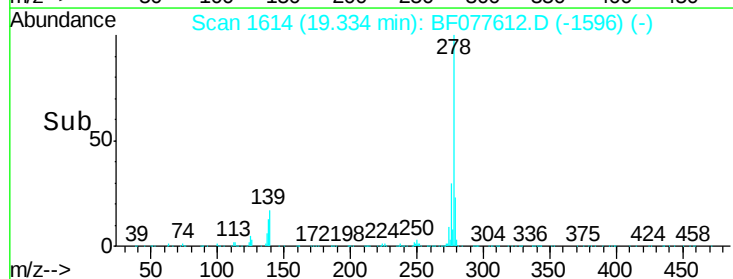
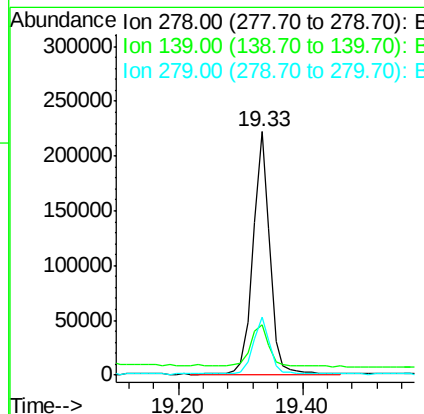
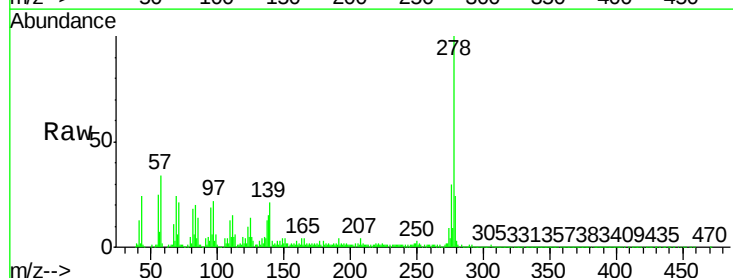
RT: 19.33 min Scan# 1614

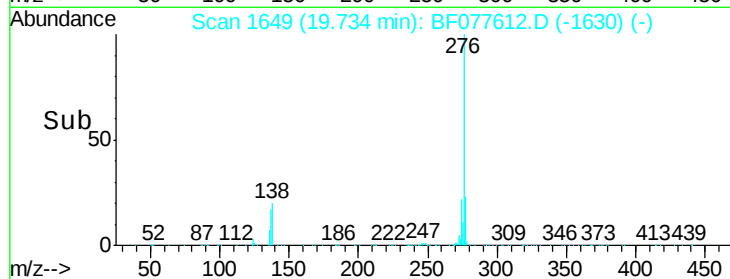
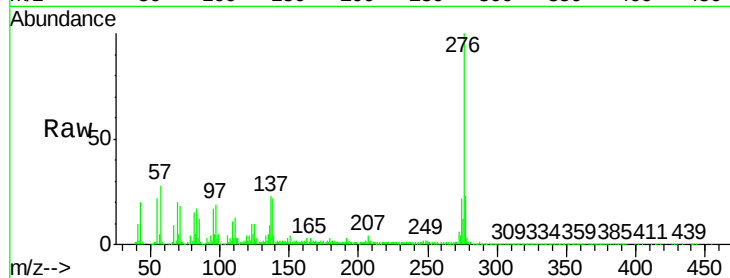
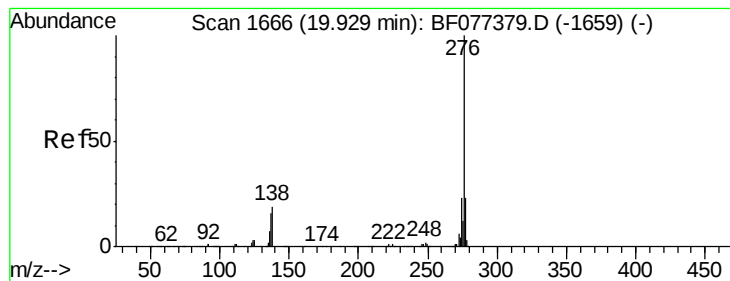
Delta R.T. 0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Tgt Ion:	278	Resp:	415760
Ion Ratio	Lower	Upper	
278	100		
139	20.7	14.3	21.5
279	23.7	19.0	28.6





#91

Benzo(g,h,i)perylene

Concen: 23.26 ng

RT: 19.73 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BF077612.D

Acq: 5 Mar 2015 8:18

Instrument :

BNA_F

ClientSampleId :

VMA-2MSD

Tgt Ion:	276	Resp:	425808
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.9	28.3
138	22.2	20.5	30.7

Manual Integrations
APPROVED

mohammad
3/5/2015 2:11:39 PM

